DC FANS

Wakefield Thermal produces a line of DC axial fans used on fan heat sinks which are commonly used on heatsinks to support BGAs, VGAs and CPU coolers or as chassis fans. The fans range in size from 30x10mm to 120x38mm with the most common sizes in between. The fans are available in 12 volt as the most common, but 5, 24 and 48 available. The standard configurations include 2 wire, 3 wire (tach) or 4 wire (PWM) and can be customized to support any range of connectors.

General Fan Specifications

Operation Temperature:
-10C to +70C (+14F to +158F)

Storage Temperature:
-40C to +70C (-40F to +158F)

Bearing System Life:
2 Ball Bearing: L10 - 70k hrs @ 40C

Materials:
Black PBT(UL94V0), Glass Filled

Lead Wires:
Rating: UL1007 or UL1571, 80C
AWG: 24 or 26 or 28
Wire Length: 300mm +/- 10mm
3 Wire Standard: Red(+), Black(-), Yellow(Tach/FG)
4th wire Optional: Blue (PWM)

Insulation Resistance:
Standard: 10MΩ at 500VDC Minimum(frame to leads)

Dielectric Strength
Standard: 500VAC(50/60Hz) for 60 seconds with 1mA trip current allowable between frame and leads

Noise Data:
All noise readings are taken in dBA at 1meter from air intake side, fan suspended in a semi-anechoic chamber (<16 dBA max)

Protection:
Locked Rotor (Meets UL standard 72 hr test)
Reversed Polarity

Shock and Vibration:
Shock: Meets 100G at 2ms, half sine, X, Y, and Z axis
Vibration: Meets the amplitude of vibration :0.38mm
Frequency: 5-55 Hz
Duration: 60min / axis
Direction: X.Y.Z axis

Part Numbering Guide





Example: DC402012H2B-2Tx

Series	Frame Size(mm)	Thickness(mm)	Voltage	Speed	Bearing	# of Wires	Termination
DC	40	20	12	H	2B	2	Tx

Frame Size
25
30
40
45
50
60
70
80
92
120

Thickness
10
15
20
25
28
38

Voltage
5—5VDC
12 -- 12VDC
24 – 24VDC
48 – 48VDC

Speed
I – “Wicked” Low
J – “Super” Low
L – Low
M – Medium
H – High
U – Ultra High
V – Vortex
W – “Wicked” High

Bearing
2B – Dual Ball

# of Wires
2 – 2Wire
3 - Tach
B – PWM + Tach

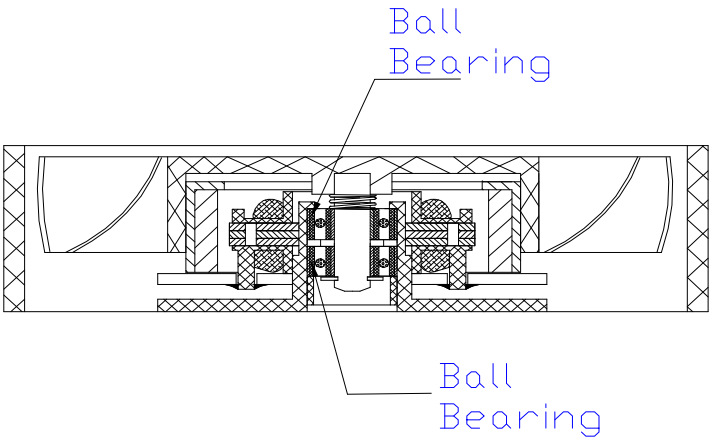
Termination
T0 - No Connector
T1 - Computer
T2 - Molex 22-01-1022*
T3 - Molex 22-01-1032*
T4- Molex 22-01-1044*

* Or equivalent

Bearing Information

Dual Ball Bearing

The two ball bearing system is the industry standard for long life with a L10 of 70,000 hours. Other bearing choices, like sleeve or single ball are susceptibility to impact damage which is why they can not support the high life requirement of most applications. One advantage of two ball bearing systems is that due to the small point load of the balls, they require less power to start rotation as they have less stiction (starting friction) than other bearing system which means the minimum starting power can be achieved with a lower current.



Bearing Lubrication, Wear and Failure

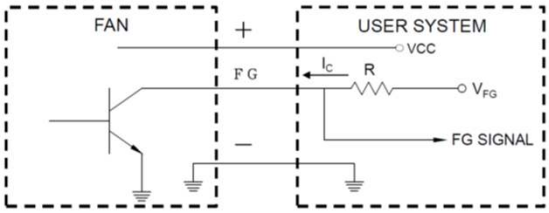
Bearing failure is the most common reason for a fan failure which is why bearing selection is so important. The bearing failure can be cause by multiple factors including lack of lubrication, excessive temperature or direct damage (excessive shock/vibration). A two ball bearing fan is better sealed to prevent the leak of the lubrication fluid then some of the other bearing systems. All fans typically will get noisier and rotate slower as the bearing systems wear and this can be a good indicator of pending bearing future.

Optional Configuration

- 3 – Tach

FREQUENCY GENERATOR (FG) SIGNAL

SCHEMATIC



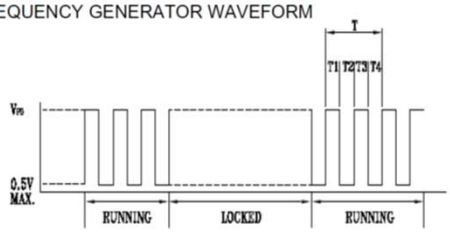
CAUTION:

THE LEAD WIRE OF FG SIGNAL CAN NOT TOUGH
THE LEAD WIRE OF POSITIVE OR NEGATIVE

SIGNAL SPECIFICATION:

OUTPUT TYPE:OPEN COLLECT
V_{FG} MAXIMUM VOLTAGE=13.2V
IC MAXIMUM CURRENT= 5mA
LOW LEVEL VOLTAGE= 0.5V MAX
$R \geq V_{FG} / I_C$

FREQUENCY GENERATOR WAVEFORM



T=T1+T2+T3+T4=60/N(Sec) N:SPEED (RPM)

- B – PWM + Tach

PWM CONTROL

SIGNAL DESCRIPTION

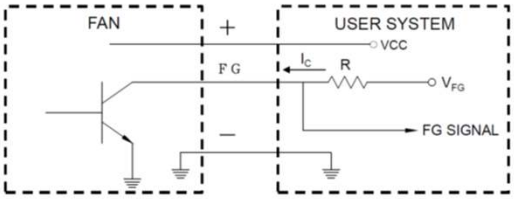
1. CONTROL SIGNAL: PWM CONTROL
2. SIGNAL TYPE:
   INPUT HIGH LEVEL VOLTAGE: MIN. >2.6V , MAX.<5V
   INPUT LOW LEVEL VOLTAGE: MAX.<0.5V
3. PWM FREQUENCY RANGE: 20K~100KHZ
4. MAX. SINK CURRENT: 8mA

FAN SPEED CONTROL

1. INPUT VOLTAGE: 5 VDC
2. PWM FREQUENCY : 25 KHZ
3. THE FAN SPEED SHOULD RUN AT FULL SPEED GIVEN PWM 100% DUTY CYCLE INPUT.
4. THE FAN SPEED SHOULD RUN AT ZERO SPEED GIVEN BELOW PWM 0 % DUTY CYCLE INPUT.
5. THE FAN WILL GO TO FULL SPEED WHEN IF THE CONTROL SIGNAL IS DISCONNECTED.

FREQUENCY GENERATOR (FG) SIGNAL

SCHEMATIC



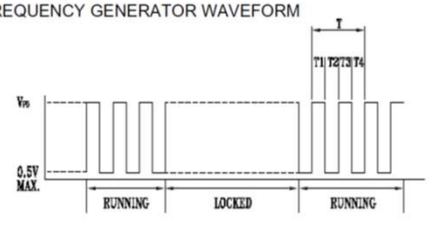
CAUTION:

THE LEAD WIRE OF FG SIGNAL CAN NOT TOUGH
THE LEAD WIRE OF POSITIVE OR NEGATIVE

SIGNAL SPECIFICATION:

OUTPUT TYPE:OPEN COLLECT
V_{FG} MAXIMUM VOLTAGE=13.2V
IC MAXIMUM CURRENT= 5mA
LOW LEVEL VOLTAGE= 0.5V MAX
$R \geq V_{FG} / I_C$

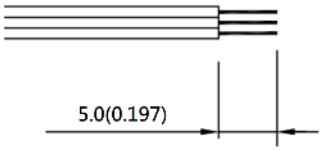
FREQUENCY GENERATOR WAVEFORM



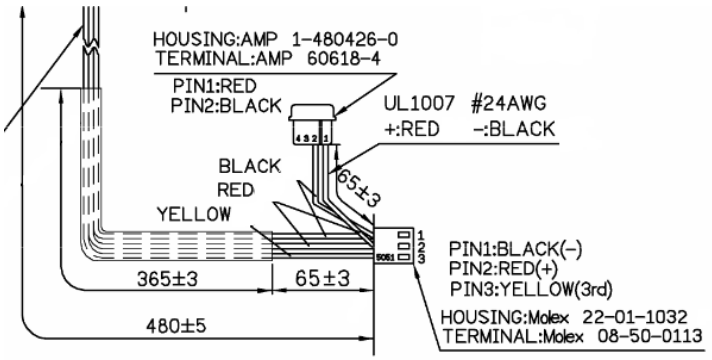
T=T1+T2+T3+T4=60/N(Sec) N:SPEED (RPM)

Termination Information

- T0 – 5mm +/-2mm strip length, tinned



- T1 – Computer connector
  - Molex 22-01-1032 with AMP 60618-4)
    - Pin1 – Negative
    - Pin2 – Positive
    - Pin3 –Tachometer
  - AMP 60618-4
    - Pin1 – Positive
    - Pin2 – Negative



- T2 – Molex 22-01-1022*
  - Pin1 – Positive
  - PIn2 – Negative

- T3 – Molex 22-01-1032*
  - Pin1 – Positive
  - Pin2 – Negative
  - Pin3 – Tachometer

- T4 – Molex 22-01-1042*
  - Pin1 – Positive
  - Pin2 – Negative
  - Pin3 – Tachometer
  - Pin4 -- PWM

Typical Ordering Configurations

-2T0 (2 wire, no connector)
-2T2 (2 wire, 2 pin connector)
-3T0 (3 wire, no connector)
-3T1 (3 wire, computer connector)
-3T3 (3 wire, 3 pin connector
-BT0 (4 wire, no connector)
-BT4 (4 wire, 4 pin connector)

* Or equivalent

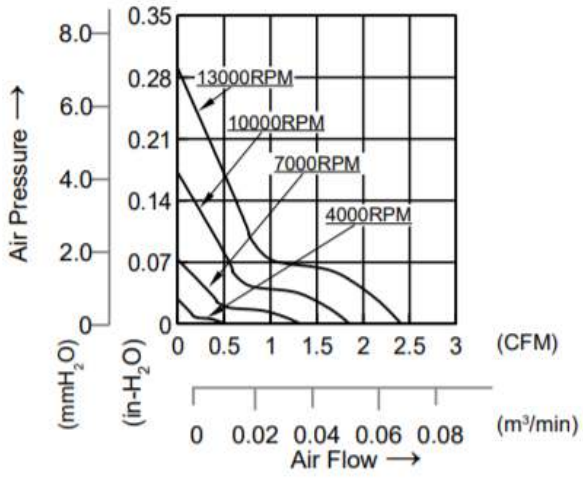
25x25x10mm

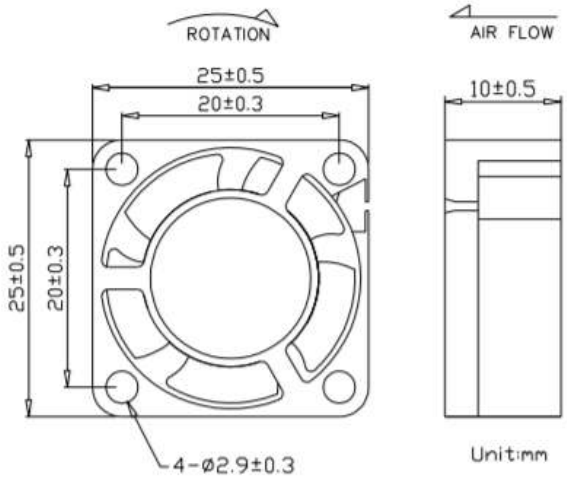


- MOTOR : DC single phase brushless motor
- FRAME : PBT (94V-0) ; IMPELLER : PBT(94V-0)
- OPERATING TEMP.: -10°C~70°C
- STORAGE TEMP.: -40°C~70°C
- WEIGHT : 8g
- Dual Ball Bearing
- Lead Length: 300mm +/- 10mm
- 2 Wire: Standard
- 3 Wire: Tach (FG) Optional
- 4 Wire: PWM Optional

Description	Size (mm)	Thickness (mm)	Rated Voltage (VDC)	Rated Current (A)	Rated Power (W)	Rated Speed (RPM)	Speed Code	Max Airflow (CFM)	Max Pressure (InAq)	Noise Level (dB/A)	Tach	PWM
DC0251005H2B	25	10	05	0.08	0.4	13000	H	2.41	0.29	28	3	B
DC0251005M2B	25	10	05	0.06	0.3	10000	M	1.85	0.17	24	3	B
DC0251005L2B	25	10	05	0.05	0.25	7000	L	1.32	0.07	20	3	B
DC0251012H2B	25	10	12	0.08	0.96	13000	H	2.41	0.29	28	3	B
DC0251012M2B	25	10	12	0.06	0.72	10000	M	1.85	0.17	24	3	B
DC0251012L2B	25	10	12	0.05	0.6	7000	L	1.32	0.07	20	3	B
DC0251024H2B	25	10	24	0.08	1.92	13000	H	2.41	0.29	28	3	B
DC0251024M2B	25	10	24	0.06	1.44	10000	M	1.85	0.17	24	3	B
DC0251024L2B	25	10	24	0.05	1.2	7000	L	1.32	0.07	20	3	B
DC0251048H2B	25	10	48	0.08	3.84	13000	H	2.41	0.29	28	3	B
DC0251048M2B	25	10	48	0.06	2.88	10000	M	1.85	0.17	24	3	B
DC0251048L2B	25	10	48	0.05	2.4	7000	L	1.32	0.07	20	3	B

See page 6 for termination configurations and typical ordering configurations





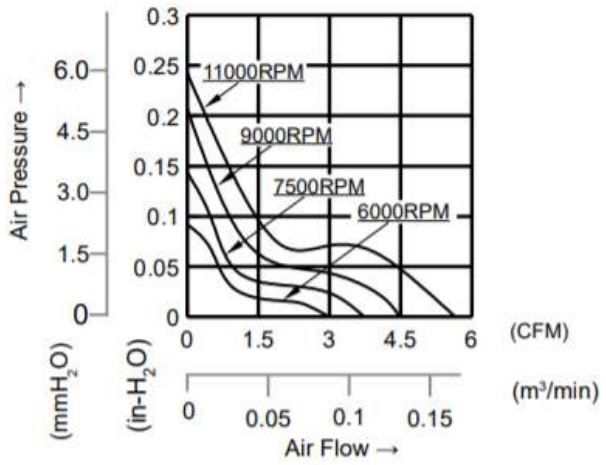
30x30x10mm

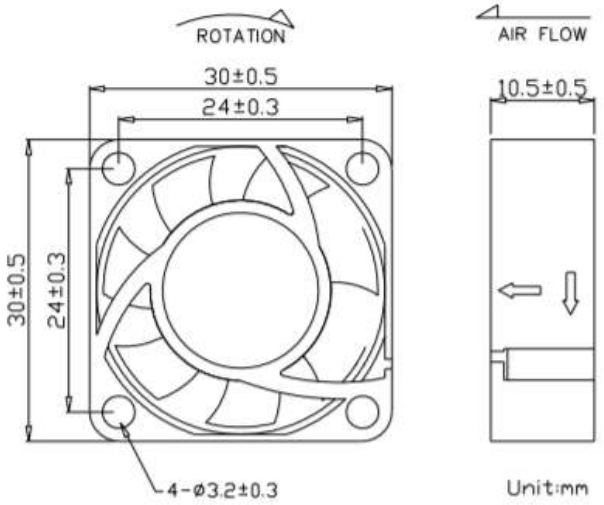


- MOTOR : DC single phase brushless motor
- FRAME : PBT (94V-0) ; IMPELLER : PBT(94V-0)
- OPERATING TEMP.: -10°C~70°C
- STORAGE TEMP.: -40°C~70°C
- WEIGHT : 10g
- Dual Ball Bearing
- Lead Length: 300mm +/- 10mm
- 2 Wire: Standard
- 3 Wire: Tach (FG) Optional
- 4 Wire: PWM Optional

Description	Size (mm)	Thickness (mm)	Rated Voltage (VDC)	Rated Current (A)	Rated Power (W)	Rated Speed (RPM)	Speed Code	Max Airflow (CFM)	Max Pressure (InAq)	Noise Level (dB/A)	Tach	PWM
DC0301005U2B	30	10	05	0.17	0.85	11000	U	5.65	0.24	31	3	B
DC0301005H2B	30	10	05	0.07	0.35	9000	H	4.48	0.21	29	3	B
DC0301005M2B	30	10	05	0.05	0.25	7500	M	3.73	0.14	24	3	B
DC0301005L2B	30	10	05	0.03	0.15	6000	L	2.99	0.09	17	3	B
DC0301012U2B	30	10	12	0.17	2.04	11000	U	5.65	0.24	31	3	B
DC0301012H2B	30	10	12	0.07	0.84	9000	H	4.48	0.21	29	3	B
DC0301012M2B	30	10	12	0.05	0.60	7500	M	3.73	0.14	24	3	B
DC0301012L2B	30	10	12	0.03	0.36	6000	L	2.99	0.09	17	3	B
DC0301024U2B	30	10	24	0.17	4.08	11000	U	5.65	0.24	31	3	B
DC0301024H2B	30	10	24	0.07	1.68	9000	H	4.48	0.21	29	3	B
DC0301024M2B	30	10	24	0.05	1.20	7500	M	3.73	0.14	24	3	B
DC0301024L2B	30	10	24	0.03	0.72	6000	L	2.99	0.09	17	3	B
DC0301048U2B	30	10	48	0.17	8.16	11000	U	5.65	0.24	31	3	B
DC0301048H2B	30	10	48	0.07	3.36	9000	H	4.48	0.21	29	3	B
DC0301048M2B	30	10	48	0.05	2.40	7500	M	3.73	0.14	24	3	B
DC0301048L2B	30	10	48	0.03	1.44	6000	L	2.99	0.09	17	3	B

See page 6 for termination configurations and typical ordering configurations





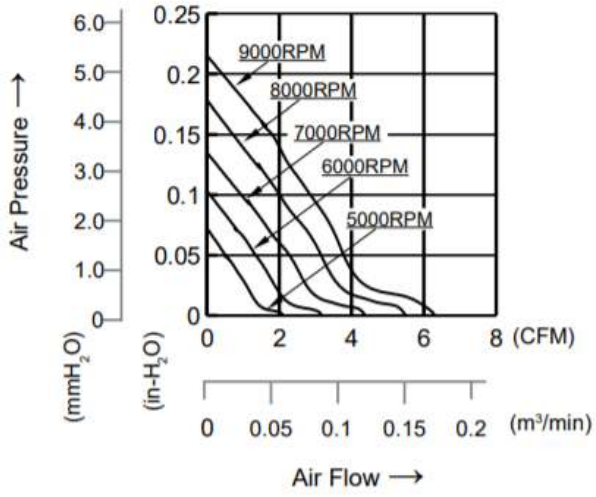
35x35x10mm

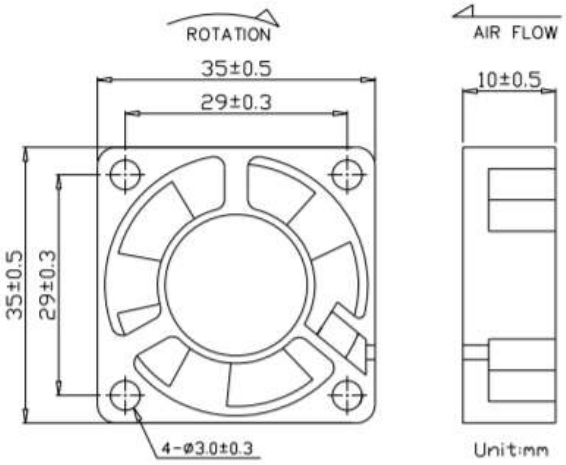


- MOTOR : DC single phase brushless motor
- FRAME : PBT (94V-0) ; IMPELLER : PBT(94V-0)
- OPERATING TEMP.: -10°C~70°C
- STORAGE TEMP.: -40°C~70°C
- WEIGHT : 11g
- Dual Ball Bearing
- Lead Length: 300mm +/- 10mm
- 2 Wire: Standard
- 3 Wire: Tach (FG) Optional
- 4 Wire: PWM Optional

Description	Size (mm)	Thickness (mm)	Rated Voltage (VDC)	Rated Current (A)	Rated Power (W)	Rated Speed (RPM)	Speed Code	Max Airflow (CFM)	Max Pressure (InAq)	Noise Level (dB/A)	Tach	PWM
DC0351005W2B	35	10	05	0.11	0.54	9000	W	6.30	0.22	28	3	B
DC0351005V2B	35	10	05	0.04	0.20	8000	V	5.51	0.18	25	3	B
DC0351005U2B	35	10	05	0.03	0.15	7000	U	4.37	0.14	23	3	B
DC0351012W2B	35	10	12	0.11	1.30	9000	W	6.30	0.22	28	3	B
DC0351012V2B	35	10	12	0.04	0.48	8000	V	5.51	0.18	25	3	B
DC0351012U2B	35	10	12	0.03	0.36	7000	U	4.37	0.14	23	3	B
DC0351024W2B	35	10	24	0.11	2.59	9000	W	6.30	0.22	28	3	B
DC0351024V2B	35	10	24	0.04	0.96	8000	V	5.51	0.18	25	3	B
DC0351024U2B	35	10	24	0.03	0.72	7000	U	4.37	0.14	23	3	B
DC0351048W2B	35	10	48	0.11	5.18	9000	W	6.30	0.22	28	3	B
DC0351048V2B	35	10	48	0.04	1.92	8000	V	5.51	0.18	25	3	B
DC0351048U2B	35	10	48	0.03	1.44	7000	U	4.37	0.14	23	3	B

See page 6 for termination configurations and typical ordering configurations





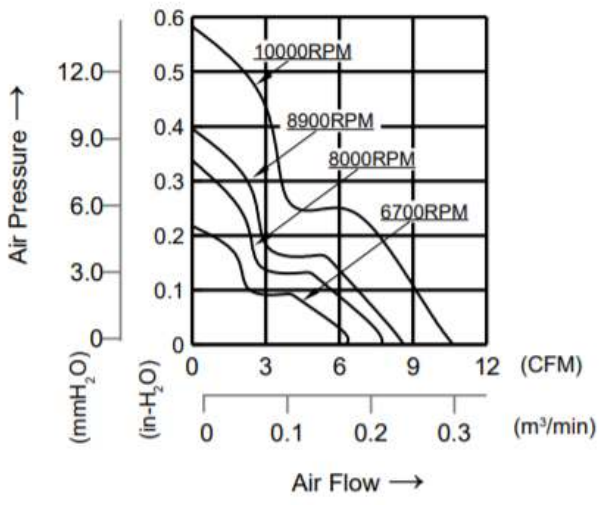
38x38x20mm

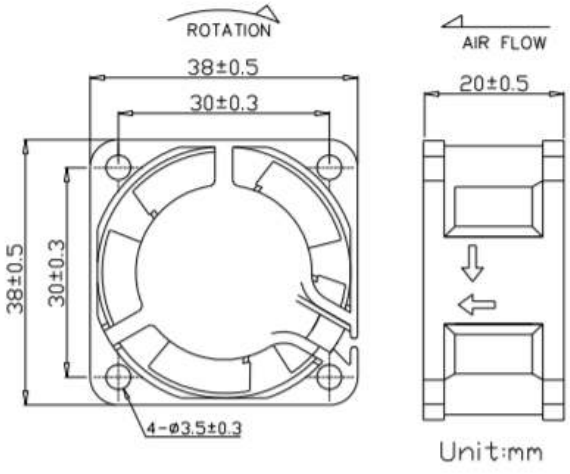


- MOTOR : DC single phase brushless motor
- FRAME : PBT (94V-0) ; IMPELLER : PBT(94V-0)
- OPERATING TEMP.: -10°C~70°C
- STORAGE TEMP.: -40°C~70°C
- WEIGHT : 31g
- Dual Ball Bearing
- Lead Length: 300mm +/- 10mm
- 2 Wire: Standard
- 3 Wire: Tach (FG) Optional
- 4 Wire: PWM Optional

Description	Size (mm)	Thickness (mm)	Rated Voltage (VDC)	Rated Current (A)	Rated Power (W)	Rated Speed (RPM)	Speed Code	Max Airflow (CFM)	Max Pressure (InAq)	Noise Level (dB/A)	Tach	PWM
DC0382005U2B	38	20	05	0.30	1.50	10000	U	9.70	0.58	43	3	B
DC0382005H2B	38	20	05	0.13	0.65	8900	H	8.60	0.39	42	3	B
DC0382005M2B	38	20	05	0.12	0.60	8000	M	7.40	0.34	40	3	B
DC0382005L2B	38	20	05	0.10	0.50	6700	L	6.30	0.22	36	3	B
DC0382012U2B	38	20	12	0.30	3.60	10000	U	9.70	0.58	43	3	B
DC0382012H2B	38	20	12	0.13	1.56	8900	H	8.60	0.39	42	3	B
DC0382012M2B	38	20	12	0.12	1.44	8000	M	7.40	0.34	40	3	B
DC0382012L2B	38	20	12	0.10	1.20	6700	L	6.30	0.22	36	3	B
DC0382024U2B	38	20	24	0.30	7.20	10000	U	9.70	0.58	43	3	B
DC0382024H2B	38	20	24	0.13	3.12	8900	H	8.60	0.39	42	3	B
DC0382024M2B	38	20	24	0.12	2.88	8000	M	7.40	0.34	40	3	B
DC0382024L2B	38	20	24	0.10	2.40	6700	L	6.30	0.22	36	3	B
DC0382048U2B	38	20	48	0.30	14.40	10000	U	9.70	0.58	43	3	B
DC0382048H2B	38	20	48	0.13	6.24	8900	H	8.60	0.39	42	3	B
DC0382048M2B	38	20	48	0.12	5.76	8000	M	7.40	0.34	40	3	B
DC0382048L2B	38	20	48	0.10	4.80	6700	L	6.30	0.22	36	3	B

See page 6 for termination configurations and typical ordering configurations





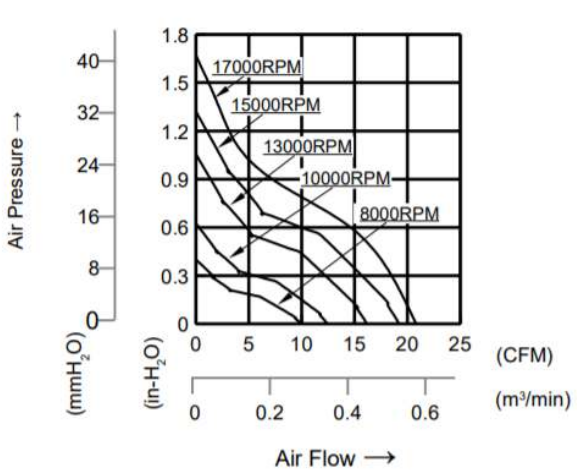
38x38x28mm

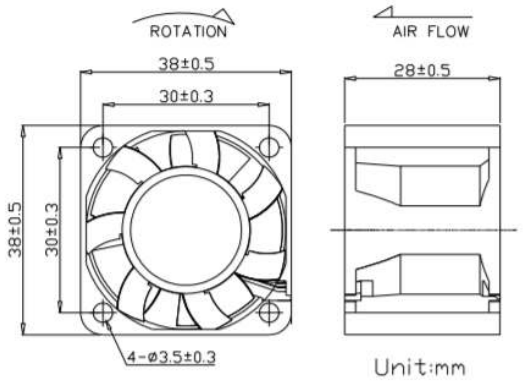


- MOTOR : DC single phase brushless motor
- FRAME : PBT (94V-0) ; IMPELLER : PBT(94V-0)
- OPERATING TEMP.: -10°C~70°C
- STORAGE TEMP.: -40°C~70°C
- WEIGHT : 31g
- Dual Ball Bearing
- Lead Length: 300mm +/- 10mm
- 2 Wire: Standard
- 3 Wire: Tach (FG) Optional
- 4 Wire: PWM Optional

Description	Size (mm)	Thickness (mm)	Rated Voltage (VDC)	Rated Current (A)	Rated Power (W)	Rated Speed (RPM)	Speed Code	Max Airflow (CFM)	Max Pressure (InAq)	Noise Level (dB/A)	Tach	PWM
DC0382805V2B	38	28	05	0.85	4.25	17000	V	20.80	1.67	59	3	B
DC0382805U2B	38	28	05	0.48	2.40	15000	U	19.16	1.37	55	3	B
DC0382805H2B	38	28	05	0.29	1.45	13000	H	16.30	1.02	51	3	B
DC0382805M2B	38	28	05	0.15	0.75	10000	M	12.46	0.63	44	3	B
DC0382805L2B	38	28	05	0.11	0.55	8000	L	9.44	0.39	38	3	B
DC0382812V2B	38	28	12	0.85	10.20	17000	V	20.80	1.67	59	3	B
DC0382812U2B	38	28	12	0.48	5.76	15000	U	19.16	1.37	55	3	B
DC0382812H2B	38	28	12	0.29	3.48	13000	H	16.30	1.02	51	3	B
DC0382812M2B	38	28	12	0.30	3.60	10000	M	12.46	0.63	44	3	B
DC0382812L2B	38	28	12	0.11	1.32	8000	L	9.44	0.39	38	3	B
DC0382824V2B	38	28	24	0.85	20.40	17000	V	20.80	1.67	59	3	B
DC0382824U2B	38	28	24	0.48	11.52	15000	U	19.16	1.37	55	3	B
DC0382824H2B	38	28	24	0.29	6.96	13000	H	16.30	1.02	51	3	B
DC0382824M2B	38	28	24	0.15	3.60	10000	M	12.46	0.63	44	3	B
DC0382824L2B	38	28	24	0.11	2.64	8000	L	9.44	0.39	38	3	B
DC0382848V2B	38	28	48	0.85	40.80	17000	V	20.80	1.67	59	3	B
DC0382848U2B	38	28	48	0.48	23.04	15000	U	19.16	1.37	55	3	B
DC0382848H2B	38	28	48	0.29	13.92	13000	H	16.30	1.02	51	3	B
DC0382848M2B	38	28	48	0.15	7.20	10000	M	12.46	0.63	44	3	B
DC0382848L2B	38	28	48	0.11	5.28	8000	L	9.44	0.39	38	3	B

See page 6 for termination configurations and typical ordering configurations





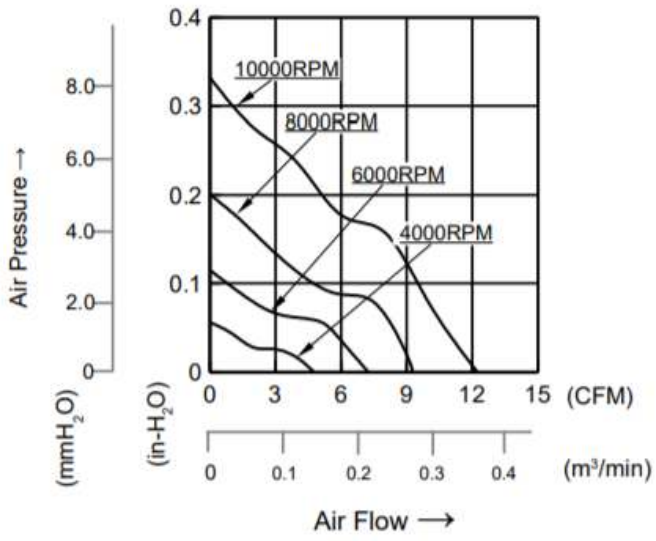
40x40x10mm

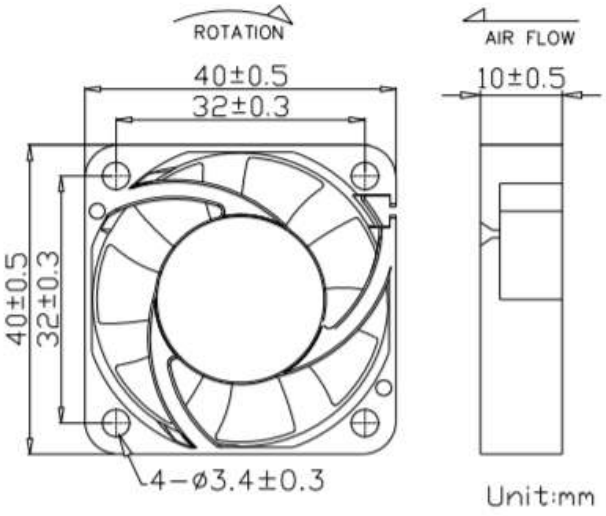


- MOTOR : DC single phase brushless motor
- FRAME : PBT (94V-0) ; IMPELLER : PBT(94V-0)
- OPERATING TEMP.: -10°C~70°C
- STORAGE TEMP.: -40°C~70°C
- WEIGHT : 20g
- Dual Ball Bearing
- Lead Length: 300mm +/- 10mm
- 2 Wire: Standard
- 3 Wire: Tach (FG) Optional
- 4 Wire: PWM Optional

Description	Size (mm)	Thickness (mm)	Rated Voltage (VDC)	Rated Current (A)	Rated Power (W)	Rated Speed (RPM)	Speed Code	Max Airflow (CFM)	Max Pressure (InAq)	Noise Level (dB/A)	Tach	PWM
DC0401005V2B	40	10	05	0.18	0.90	10000	V	12.23	0.33	39	3	B
DC0401005U2B	40	10	05	0.14	0.70	8000	U	9.25	0.20	35	3	B
DC0401005H2B	40	10	05	0.11	0.55	6000	H	7.24	0.11	26	3	B
DC0401005M2B	40	10	05	0.10	0.50	4000	M	4.75	0.06	21	3	B
DC0401012V2B	40	10	12	0.18	2.16	10000	V	12.23	0.33	39	3	B
DC0401012U2B	40	10	12	0.14	1.68	8000	U	9.25	0.20	35	3	B
DC0401012H2B	40	10	12	0.11	1.32	6000	H	7.24	0.11	26	3	B
DC0401012M2B	40	10	12	0.10	1.20	4000	M	4.75	0.06	21	3	B
DC0401024V2B	40	10	24	0.18	4.32	10000	V	12.23	0.33	39	3	B
DC0401024U2B	40	10	24	0.14	3.36	8000	U	9.25	0.20	35	3	B
DC0401024H2B	40	10	24	0.11	2.64	6000	H	7.24	0.11	26	3	B
DC0401024M2B	40	10	24	0.10	2.40	4000	M	4.75	0.06	21	3	B
DC0401048V2B	40	10	48	0.18	8.64	10000	V	12.23	0.33	39	3	B
DC0401048U2B	40	10	48	0.14	6.72	8000	U	9.25	0.20	35	3	B
DC0401048H2B	40	10	48	0.11	5.28	6000	H	7.24	0.11	26	3	B
DC0401048M2B	40	10	48	0.10	4.80	4000	M	4.75	0.06	21	3	B

See page 6 for termination configurations and typical ordering configurations





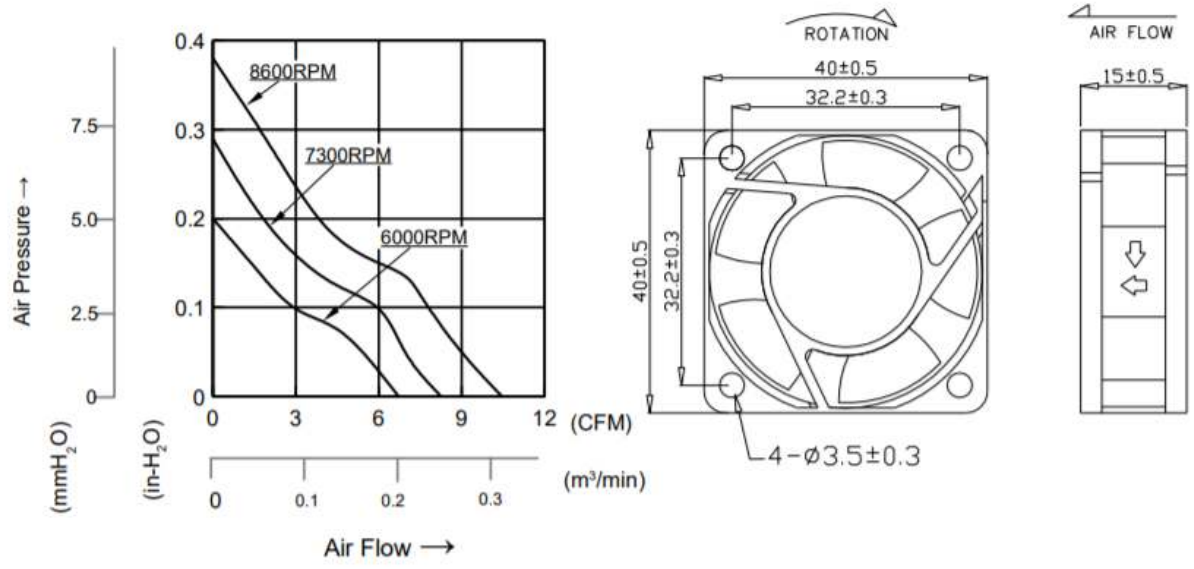
40x40x15mm



- MOTOR : DC single phase brushless motor
- FRAME : PBT (94V-0) ; IMPELLER : PBT(94V-0)
- OPERATING TEMP.: -10°C~70°C
- STORAGE TEMP.: -40°C~70°C
- WEIGHT : 20g
- Dual Ball Bearing
- Lead Length: 300mm +/- 10mm
- 2 Wire: Standard
- 3 Wire: Tach (FG) Optional
- 4 Wire: PWM Optional

Description	Size (mm)	Thickness (mm)	Rated Voltage (VDC)	Rated Current (A)	Rated Power (W)	Rated Speed (RPM)	Speed Code	Max Airflow (CFM)	Max Pressure (InAq)	Noise Level (dB/A)	Tach	PWM
DC0401505H2B	40	15	05	0.16	0.80	8600	H	10.45	0.38	36	3	B
DC0401505L2B	40	15	05	0.08	0.40	6000	L	6.71	0.20	28	3	B
DC0401505M2B	40	15	05	0.12	0.60	7300	M	8.25	0.29	32	3	B
DC0401512H2B	40	15	12	0.16	1.92	8600	H	10.45	0.38	36	3	B
DC0401512L2B	40	15	12	0.08	0.96	6000	L	6.71	0.20	28	3	B
DC0401512M2B	40	15	12	0.12	1.44	7300	M	8.25	0.29	32	3	B
DC0401524H2B	40	15	24	0.16	3.84	8600	H	10.45	0.38	36	3	B
DC0401524L2B	40	15	24	0.08	1.92	6000	L	6.71	0.20	28	3	B
DC0401524M2B	40	15	24	0.12	2.88	7300	M	8.25	0.29	32	3	B
DC0401548H2B	40	15	48	0.16	7.68	8600	H	10.45	0.38	36	3	B
DC0401548L2B	40	15	48	0.08	3.84	6000	L	6.71	0.20	28	3	B
DC0401548M2B	40	15	48	0.12	5.76	7300	M	8.25	0.29	32	3	B

See page 6 for termination configurations and typical ordering configurations



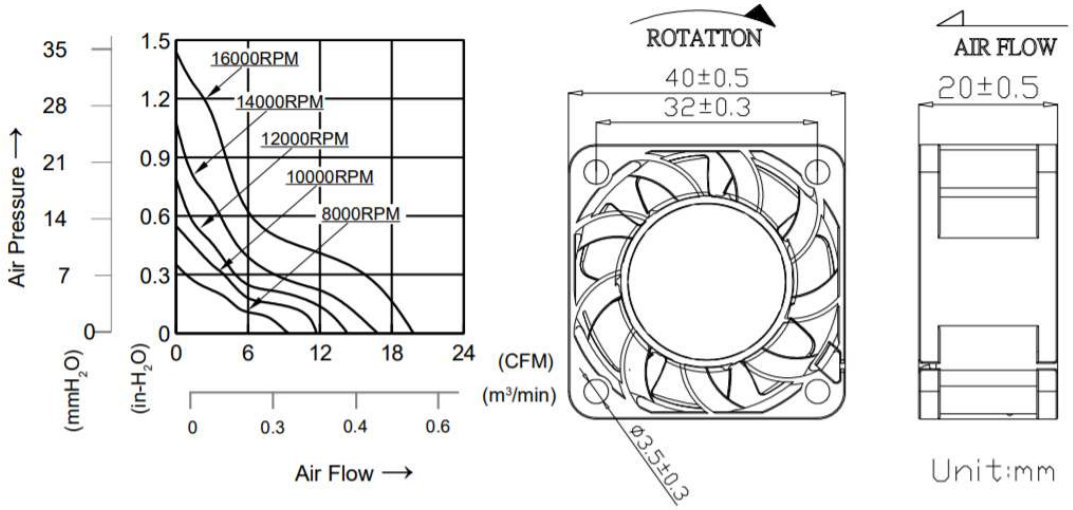
40x40x20mm



- MOTOR : DC single phase brushless motor
- FRAME : PBT (94V-0) ; IMPELLER : PBT(94V-0)
- OPERATING TEMP.: -10°C~70°C
- STORAGE TEMP.: -40°C~70°C
- WEIGHT : 20g
- Dual Ball Bearing
- Lead Length: 300mm +/- 10mm
- 2 Wire: Standard
- 3 Wire: Tach (FG) Optional
- 4 Wire: PWM Optional

Description	Size (mm)	Thickness (mm)	Rated Voltage (VDC)	Rated Current (A)	Rated Power (W)	Rated Speed (RPM)	Speed Code	Max Airflow (CFM)	Max Pressure (InAq)	Noise Level (dB/A)	Tach	PWM
DC0402005V2B	40	20	05	0.41	2.05	16000	V	19.80	1.44	53	3	B
DC0402005U2B	40	20	05	0.25	1.25	14000	U	16.80	1.08	49	3	B
DC0402005H2B	40	20	05	0.17	0.85	12000	H	14.30	0.79	44	3	B
DC0402005M2B	40	20	05	0.11	0.55	10000	M	11.70	0.55	40	3	B
DC0402005L2B	40	20	05	0.08	0.40	8000	L	9.40	0.35	33	3	B
DC0402012V2B	40	20	12	0.41	4.92	16000	V	19.80	1.44	53	3	B
DC0402012U2B	40	20	12	0.25	3.00	14000	U	16.80	1.08	49	3	B
DC0402012H2B	40	20	12	0.17	2.04	12000	H	14.30	0.79	44	3	B
DC0402012M2B	40	20	12	0.11	1.32	10000	M	11.70	0.55	40	3	B
DC0402012L2B	40	20	12	0.08	0.96	8000	L	9.40	0.35	33	3	B
DC0402024V2B	40	20	24	0.41	9.84	16000	V	19.80	1.44	53	3	B
DC0402024U2B	40	20	24	0.25	6.00	14000	U	16.80	1.08	49	3	B
DC0402024H2B	40	20	24	0.17	4.08	12000	H	14.30	0.79	44	3	B
DC0402024M2B	40	20	24	0.11	2.64	10000	M	11.70	0.55	40	3	B
DC0402024L2B	40	20	24	0.08	1.92	8000	L	9.40	0.35	33	3	B
DC0402048V2B	40	20	48	0.41	19.68	16000	V	19.80	1.44	53	3	B
DC0402048U2B	40	20	48	0.25	12.00	14000	U	16.80	1.08	49	3	B
DC0402048H2B	40	20	48	0.17	8.16	12000	H	14.30	0.79	44	3	B
DC0402048M2B	40	20	48	0.11	5.28	10000	M	11.70	0.55	40	3	B
DC0402048L2B	40	20	48	0.08	3.84	8000	L	9.40	0.35	33	3	B

See page 6 for termination configurations and typical ordering configurations



40x40x28mm and 40x40x56mm



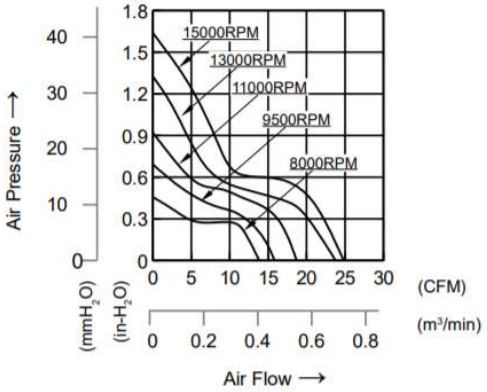


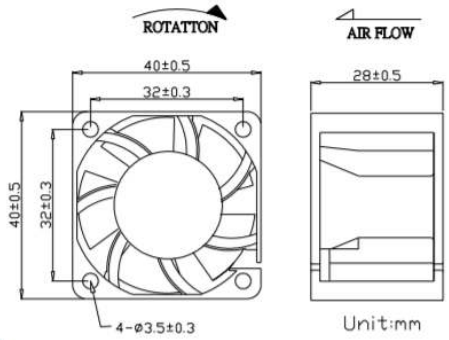
- MOTOR : DC single phase brushless motor
- FRAME : PBT (94V-0) ; IMPELLER : PBT(94V-0)
- OPERATING TEMP.: -10°C~70°C
- STORAGE TEMP.: -40°C~70°C
- WEIGHT : 49-85g
- Dual Ball Bearing
- Lead Length: 300mm +/- 10mm
- 2 Wire: Standard
- 3 Wire: Tach (FG) Optional
- 4 Wire: PWM Optional

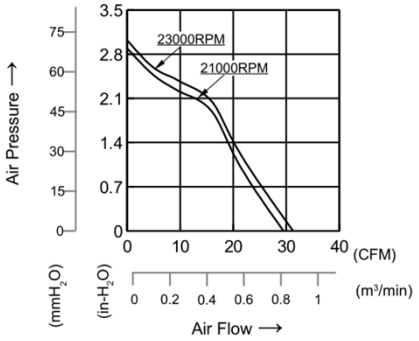
Description	Size (mm)	Thickness (mm)	Rated Voltage (VDC)	Rated Current (A)	Rated Power (W)	Rated Speed (RPM)	Speed Code	Max Airflow (CFM)	Max Pressure (InAq)	Noise Level (dB/A)	Tach	PWM
DC0402805W2B	40	28	05	1.40	7.00	23000	W	31.30	3.02	64	3	B
DC0402805V2B	40	28	05	1.10	5.50	21000	V	29.50	2.89	62	3	B
DC0402805U2B	40	28	05	0.64	3.20	15000	U	24.80	1.64	58	3	B
DC0402805H2B	40	28	05	0.55	2.75	13000	H	23.80	1.32	54	3	B
DC0402805M2B	40	28	05	0.39	1.95	11000	M	18.70	0.92	51	3	B
DC0402805L2B	40	28	05	0.24	1.20	9500	L	15.90	0.69	44	3	B
DC0402812W2B	40	28	12	1.40	16.80	23000	W	31.30	3.02	64	3	B
DC0402812V2B	40	28	12	1.10	13.20	21000	V	29.50	2.89	62	3	B
DC0402812U2B	40	28	12	0.64	7.68	15000	U	24.80	1.64	58	3	B
DC0402812H2B	40	28	12	0.55	6.60	13000	H	23.80	1.32	54	3	B
DC0402812M2B	40	28	12	0.39	4.68	11000	M	18.70	0.92	51	3	B
DC0402812L2B	40	28	12	0.24	2.88	9500	L	15.90	0.69	44	3	B
DC0402824U2B	40	28	24	0.64	15.36	15000	U	24.80	1.64	58	3	B
DC0402824H2B	40	28	24	0.35	8.40	11000	H	18.70	0.92	51	3	B
DC0402824M2B	40	28	24	0.26	6.24	9500	M	15.90	0.69	44	3	B
DC0402824L2B	40	28	24	0.14	3.36	8000	L	13.80	0.46	38	3	B
DC0402824W2B	40	28	24	1.40	33.60	23000	W	31.30	3.02	64	3	B
DC0402824V2B	40	28	24	1.10	26.40	21000	V	29.50	2.89	62	3	B
DC0402848U2B	40	28	48	0.64	30.72	15000	U	24.80	1.64	58	3	B
DC0402848H2B	40	28	48	0.35	16.80	11000	H	18.70	0.92	51	3	B
DC0402848M2B	40	28	48	0.26	12.48	9500	M	15.90	0.69	44	3	B
DC0402848L2B	40	28	48	0.14	6.72	8000	L	13.80	0.46	38	3	B
DC0402848W2B	40	28	48	1.40	67.20	23000	W	31.30	3.02	64	3	B
DC0402848V2B	40	28	48	1.10	52.80	21000	V	29.50	2.89	62	3	B
DC0405605U2B	40	56	05	1.72	8.60	21000	U	37.21	3.87	69	3	B
DC0405612U2B	40	56	12	1.72	20.64	21000	U	37.21	3.87	69	3	B
DC0405624U2B	40	56	24	1.72	41.28	21000	U	37.21	3.87	69	3	B
DC0405648U2B	40	56	48	1.72	82.56	21000	U	37.21	3.87	69	3	B

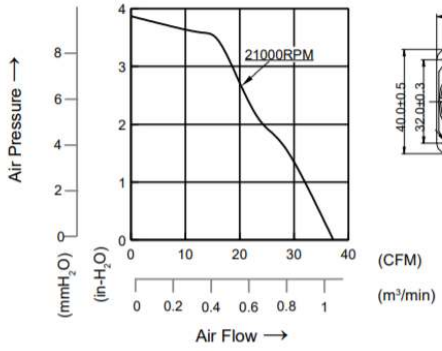
See page 6 for termination configurations and typical ordering configurations

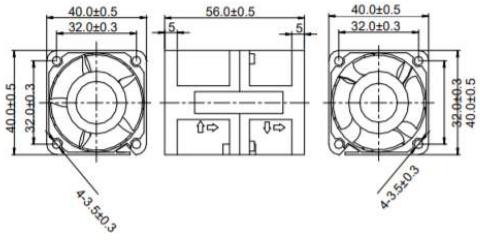
40x40x28mm and 40x40x56mm











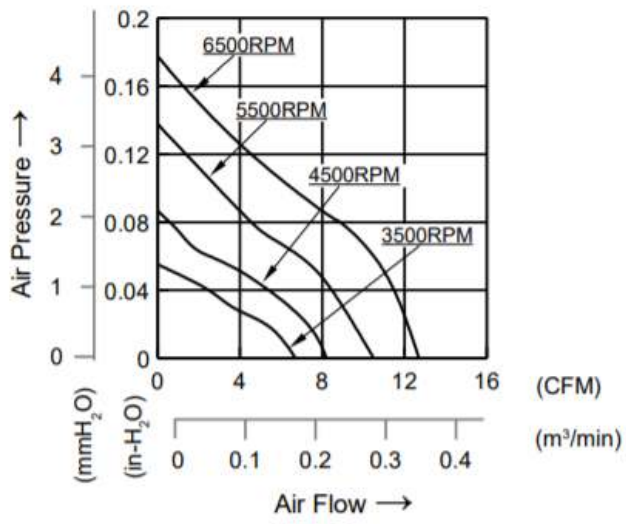
50x50x10mm

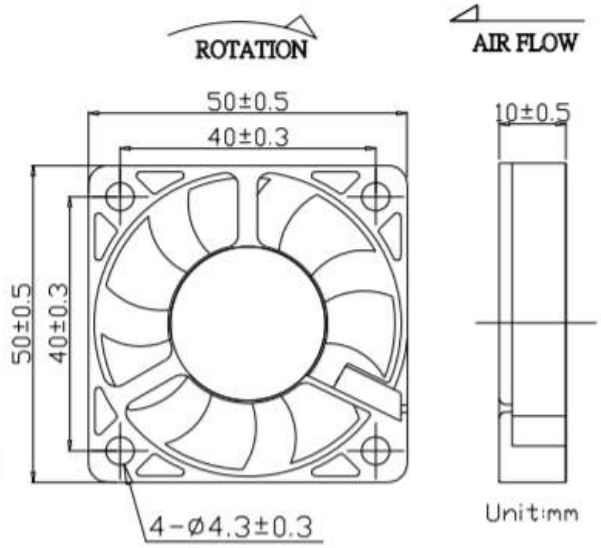


- MOTOR : DC single phase brushless motor
- FRAME : PBT (94V-0) ; IMPELLER : PBT(94V-0)
- OPERATING TEMP.: -10°C~70°C
- STORAGE TEMP.: -40°C~70°C
- WEIGHT : 32g
- Dual Ball Bearing
- Lead Length: 300mm +/- 10mm
- 2 Wire: Standard
- 3 Wire: Tach (FG) Optional
- 4 Wire: PWM Optional

Description	Size (mm)	Thickness (mm)	Rated Voltage (VDC)	Rated Current (A)	Rated Power (W)	Rated Speed (RPM)	Speed Code	Max Airflow (CFM)	Max Pressure (InAq)	Noise Level (dB/A)	Tach	PWM
DC0501005H2B	50	10	05	0.10	0.50	6500	H	12.70	0.18	35	3	B
DC0501005M2B	50	10	05	0.08	0.40	5500	M	10.50	0.14	30	3	B
DC0501005L2B	50	10	05	0.07	0.35	4500	L	8.20	0.09	25	3	B
DC0501005J2B	50	10	05	0.05	0.25	3500	J	6.70	0.05	18	3	B
DC0501012H2B	50	10	12	0.10	1.20	6500	H	12.70	0.18	35	3	B
DC0501012M2B	50	10	12	0.08	0.96	5500	M	10.50	0.14	30	3	B
DC0501012L2B	50	10	12	0.07	0.84	4500	L	8.20	0.09	25	3	B
DC0501012J2B	50	10	12	0.05	0.60	3500	J	6.70	0.05	18	3	B
DC0501024H2B	50	10	24	0.10	2.40	6500	H	12.70	0.18	35	3	B
DC0501024M2B	50	10	24	0.08	1.92	5500	M	10.50	0.14	30	3	B
DC0501024L2B	50	10	24	0.07	1.68	4500	L	8.20	0.09	25	3	B
DC0501024J2B	50	10	24	0.05	1.20	3500	J	6.70	0.05	18	3	B
DC0501048H2B	50	10	48	0.10	4.80	6500	H	12.70	0.18	35	3	B
DC0501048M2B	50	10	48	0.08	3.84	5500	M	10.50	0.14	30	3	B
DC0501048L2B	50	10	48	0.07	3.36	4500	L	8.20	0.09	25	3	B
DC0501048J2B	50	10	48	0.05	2.40	3500	J	6.70	0.05	18	3	B

See page 6 for termination configurations and typical ordering configurations





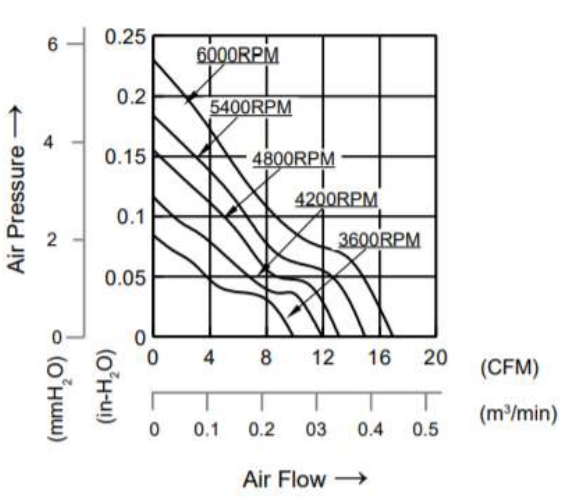
50x50x15mm

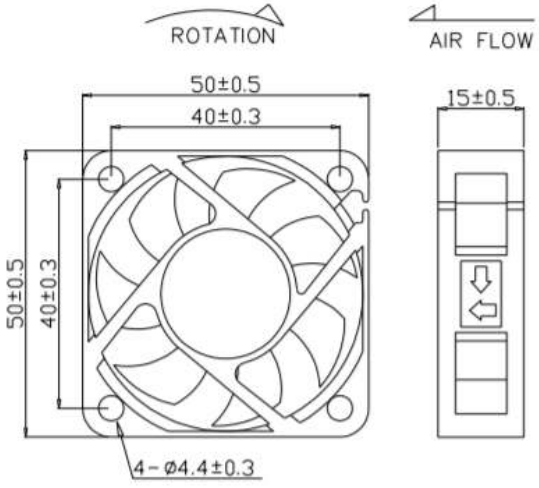


- MOTOR : DC single phase brushless motor
- FRAME : PBT (94V-0) ; IMPELLER : PBT(94V-0)
- OPERATING TEMP.: -10°C~70°C
- STORAGE TEMP.: -40°C~70°C
- WEIGHT : 38g
- Dual Ball Bearing
- Lead Length: 300mm +/- 10mm
- 2 Wire: Standard
- 3 Wire: Tach (FG) Optional

Description	Size (mm)	Thickness (mm)	Rated Voltage (VDC)	Rated Current (A)	Rated Power (W)	Rated Speed (RPM)	Speed Code	Max Airflow (CFM)	Max Pressure (InAq)	Noise Level (dB/A)	Tach	PWM
DC0501505U2B	50	15	05	0.13	0.65	6000	U	17.00	0.23	36	3	B
DC0501505H2B	50	15	05	0.11	0.55	5400	H	15.00	0.18	32	3	B
DC0501505M2B	50	15	05	0.09	0.45	4800	M	13.20	0.16	30	3	B
DC0501505L2B	50	15	05	0.07	0.35	4200	L	12.20	0.12	27	3	B
DC0501505J2B	50	15	05	0.06	0.30	3600	J	9.90	0.08	24	3	B
DC0501512U2B	50	15	12	0.13	1.56	6000	U	17.00	0.23	36	3	B
DC0501512H2B	50	15	12	0.11	1.32	5400	H	15.00	0.18	32	3	B
DC0501512M2B	50	15	12	0.09	1.08	4800	M	13.20	0.16	30	3	B
DC0501512L2B	50	15	12	0.07	0.84	4200	L	12.20	0.12	27	3	B
DC0501512J2B	50	15	12	0.06	0.72	3600	J	9.90	0.08	24	3	B
DC0501524U2B	50	15	24	0.13	3.12	6000	U	17.00	0.23	36	3	B
DC0501524H2B	50	15	24	0.11	2.64	5400	H	15.00	0.18	32	3	B
DC0501524M2B	50	15	24	0.09	2.16	4800	M	13.20	0.16	30	3	B
DC0501524L2B	50	15	24	0.07	1.68	4200	L	12.20	0.12	27	3	B
DC0501524J2B	50	15	24	0.06	1.44	3600	J	9.90	0.08	24	3	B
DC0501548U2B	50	15	48	0.13	6.24	6000	U	17.00	0.23	36	3	B
DC0501548H2B	50	15	48	0.11	5.28	5400	H	15.00	0.18	32	3	B
DC0501548M2B	50	15	48	0.09	4.32	4800	M	13.20	0.16	30	3	B
DC0501548L2B	50	15	48	0.07	3.36	4200	L	12.20	0.12	27	3	B
DC0501548J2B	50	15	48	0.06	2.88	3600	J	9.90	0.08	24	3	B

See page 6 for termination configurations and typical ordering configurations





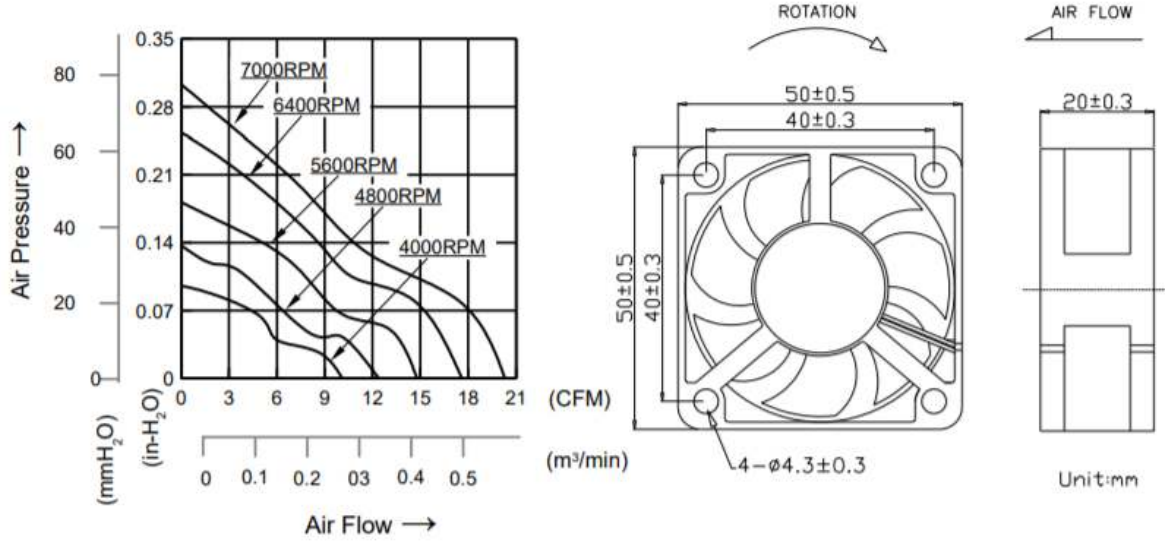
50x50x20mm



- MOTOR : DC single phase brushless motor
- FRAME : PBT (94V-0) ; IMPELLER : PBT(94V-0)
- OPERATING TEMP.: -10°C~70°C
- STORAGE TEMP.: -40°C~70°C
- WEIGHT : 40g
- Dual Ball Bearing
- Lead Length: 300mm +/- 10mm
- 2 Wire: Standard
- 3 Wire: Tach (FG) Optional
- 4 Wire: PWM Optional

Description	Size (mm)	Thickness (mm)	Rated Voltage (VDC)	Rated Current (A)	Rated Power (W)	Rated Speed (RPM)	Speed Code	Max Airflow (CFM)	Max Pressure (InAq)	Noise Level (dB/A)	Tach	PWM
DC0502005H2B	50	20	05	0.30	1.50	7000	H	20.30	0.30	38	3	B
DC0502005M2B	50	20	05	0.21	1.05	6400	M	17.60	0.25	36	3	B
DC0502005L2B	50	20	05	0.15	0.75	5600	L	14.80	0.18	32	3	B
DC0502005J2B	50	20	05	0.13	0.65	4800	J	12.70	0.14	28	3	B
DC0502005I2B	50	20	05	0.10	0.50	4000	I	10.10	0.10	24	3	B
DC0502012H2B	50	20	12	0.30	3.60	7000	H	20.30	0.30	38	3	B
DC0502012M2B	50	20	12	0.21	2.52	6400	M	17.60	0.25	36	3	B
DC0502012L2B	50	20	12	0.15	1.80	5600	L	14.80	0.18	32	3	B
DC0502012J2B	50	20	12	0.13	1.56	4800	J	12.70	0.14	28	3	B
DC0502012I2B	50	20	12	0.10	1.20	4000	I	10.10	0.10	24	3	B
DC0502024H2B	50	20	24	0.30	7.20	7000	H	20.30	0.30	38	3	B
DC0502024M2B	50	20	24	0.21	5.04	6400	M	17.60	0.25	36	3	B
DC0502024L2B	50	20	24	0.15	3.60	5600	L	14.80	0.18	32	3	B
DC0502024J2B	50	20	24	0.13	3.12	4800	J	12.70	0.14	28	3	B
DC0502024I2B	50	20	24	0.10	2.40	4000	I	10.10	0.10	24	3	B
DC0502048H2B	50	20	48	0.30	14.40	7000	H	20.30	0.30	38	3	B
DC0502048M2B	50	20	48	0.21	10.08	6400	M	17.60	0.25	36	3	B
DC0502048L2B	50	20	48	0.15	7.20	5600	L	14.80	0.18	32	3	B
DC0502048J2B	50	20	48	0.13	6.24	4800	J	12.70	0.14	28	3	B
DC0502048I2B	50	20	48	0.10	4.80	4000	I	10.10	0.10	24	3	B

See page 6 for termination configurations and typical ordering configurations



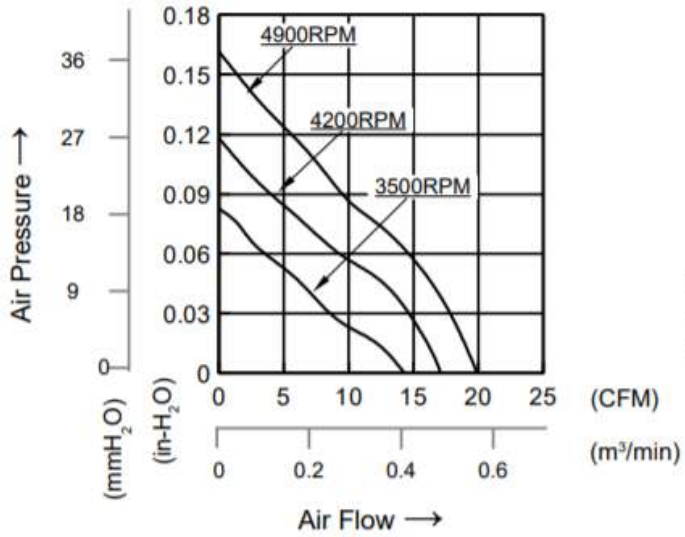
60x60x10mm

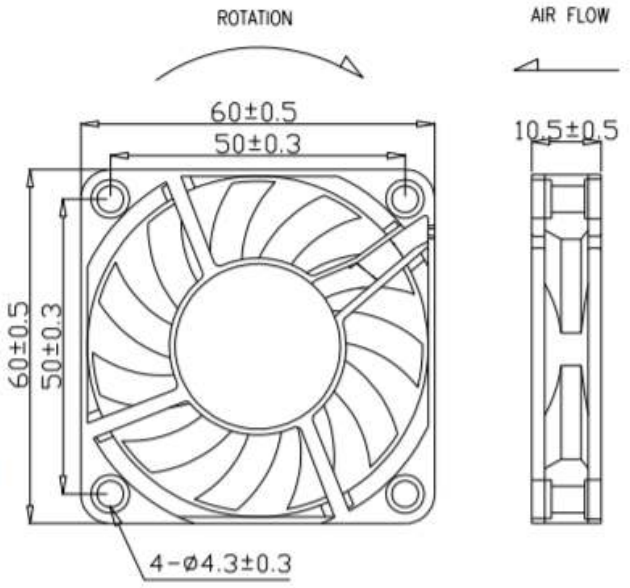


- MOTOR : DC single phase brushless motor
- FRAME : PBT (94V-0) ; IMPELLER : PBT(94V-0)
- OPERATING TEMP.: -10°C~70°C
- STORAGE TEMP.: -40°C~70°C
- WEIGHT : 40g
- Dual Ball Bearing
- Lead Length: 300mm +/- 10mm
- 2 Wire: Standard
- 3 Wire: Tach (FG) Optional
- 4 Wire: PWM Optional

Description	Size (mm)	Thickness (mm)	Rated Voltage (VDC)	Rated Current (A)	Rated Power (W)	Rated Speed (RPM)	Speed Code	Max Airflow (CFM)	Max Pressure (InAq)	Noise Level (dB/A)	Tach	PWM
DC0601005U2B	60	10	05	0.20	1.00	4900	U	19.90	0.16	37	3	B
DC0601005M2B	60	10	05	0.17	0.85	4200	M	17.10	0.12	33	3	B
DC0601012U2B	60	10	12	0.20	2.40	4900	U	19.90	0.16	37	3	B
DC0601012M2B	60	10	12	0.17	2.04	4200	M	17.10	0.12	33	3	B
DC0601024U2B	60	10	24	0.20	4.80	4900	U	19.90	0.16	37	3	B
DC0601024M2B	60	10	24	0.17	4.08	4200	M	17.10	0.12	33	3	B
DC0601048U2B	60	10	48	0.20	9.60	4900	U	19.90	0.16	37	3	B
DC0601048M2B	60	10	48	0.17	8.16	4200	M	17.10	0.12	33	3	B

See page 6 for termination configurations and typical ordering configurations





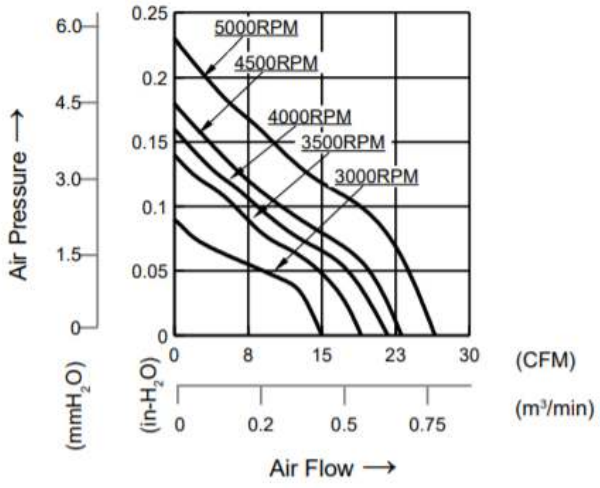
60x60x15mm

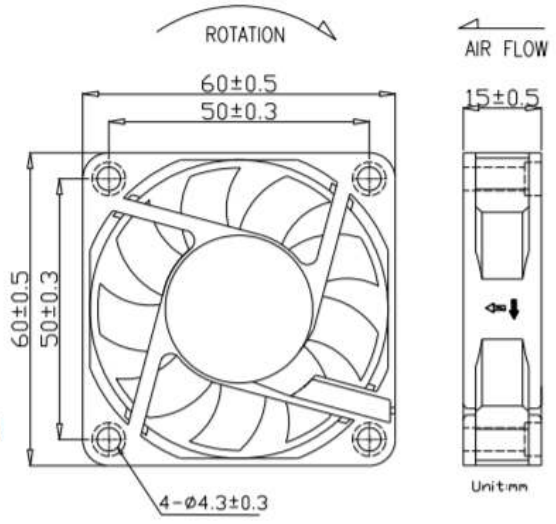


- MOTOR : DC single phase brushless motor
- FRAME : PBT (94V-0) ; IMPELLER : PBT(94V-0)
- OPERATING TEMP.: -10°C~70°C
- STORAGE TEMP.: -40°C~70°C
- WEIGHT : 44g
- Dual Ball Bearing
- Lead Length: 300mm +/- 10mm
- 2 Wire: Standard
- 3 Wire: Tach (FG) Optional
- 4 Wire: PWM Optional

Description	Size (mm)	Thickness (mm)	Rated Voltage (VDC)	Rated Current (A)	Rated Power (W)	Rated Speed (RPM)	Speed Code	Max Airflow (CFM)	Max Pressure (InAq)	Noise Level (dB/A)	Tach	PWM
DC0601505U2B	60	15	05	0.26	1.30	5000	U	26.50	0.23	37	3	B
DC0601505H2B	60	15	05	0.12	0.60	4500	H	23.10	0.18	35	3	B
DC0601505M2B	60	15	05	0.10	0.50	4000	M	21.70	0.16	32	3	B
DC0601505L2B	60	15	05	0.08	0.40	3500	L	19.00	0.14	29	3	B
DC0601505J2B	60	15	05	0.06	0.30	3000	J	15.00	0.09	24	3	B
DC0601512U2B	60	15	12	0.26	3.12	5000	U	26.50	0.23	37	3	B
DC0601512H2B	60	15	12	0.12	1.44	4500	H	23.10	0.18	35	3	B
DC0601512M2B	60	15	12	0.10	1.20	4000	M	21.70	0.16	32	3	B
DC0601512L2B	60	15	12	0.08	0.96	3500	L	19.00	0.14	29	3	B
DC0601512J2B	60	15	12	0.06	0.72	3000	J	15.00	0.09	24	3	B
DC0601524U2B	60	15	24	0.26	6.24	5000	U	26.50	0.23	37	3	B
DC0601524H2B	60	15	24	0.12	2.88	4500	H	23.10	0.18	35	3	B
DC0601524M2B	60	15	24	0.10	2.40	4000	M	21.70	0.16	32	3	B
DC0601524L2B	60	15	24	0.08	1.92	3500	L	19.00	0.14	29	3	B
DC0601524J2B	60	15	24	0.06	1.44	3000	J	15.00	0.09	24	3	B
DC0601548U2B	60	15	48	0.26	12.48	5000	U	26.50	0.23	37	3	B
DC0601548H2B	60	15	48	0.12	5.76	4500	H	23.10	0.18	35	3	B
DC0601548M2B	60	15	48	0.10	4.80	4000	M	21.70	0.16	32	3	B
DC0601548L2B	60	15	48	0.08	3.84	3500	L	19.00	0.14	29	3	B
DC0601548J2B	60	15	48	0.06	2.88	3000	J	15.00	0.09	24	3	B

See page 6 for termination configurations and typical ordering configurations





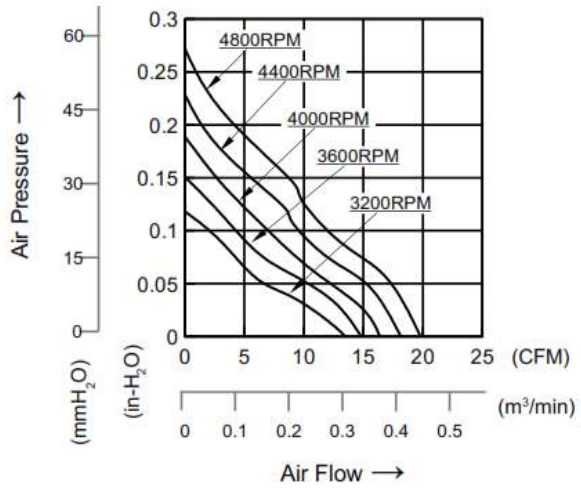
60x60x20mm

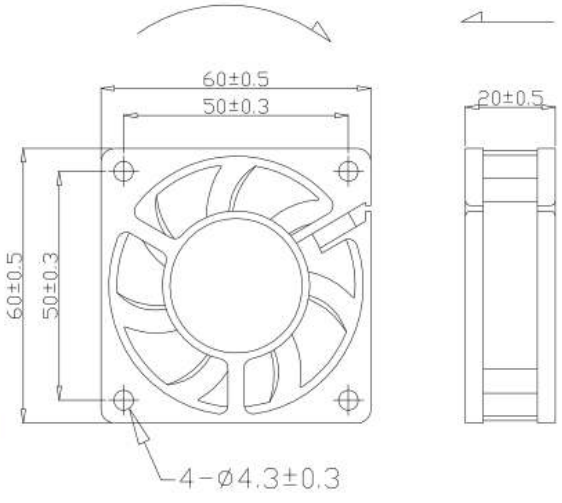


- MOTOR : DC single phase brushless motor
- FRAME : PBT (94V-0) ; IMPELLER : PBT(94V-0)
- OPERATING TEMP.: -10°C~70°C
- STORAGE TEMP.: -40°C~70°C
- WEIGHT : 50g
- Dual Ball Bearing
- Lead Length: 300mm +/- 10mm
- 2 Wire: Standard
- 3 Wire: Tach (FG) Optional
- 4 Wire: PWM Optional

Description	Size (mm)	Thickness (mm)	Rated Voltage (VDC)	Rated Current (A)	Rated Power (W)	Rated Speed (RPM)	Speed Code	Max Airflow (CFM)	Max Pressure (InAq)	Noise Level (dB/A)	Tach	PWM
DC0602005U2B	60	20	05	0.14	0.72	4800	U	19.60	0.27	33	3	B
DC0602005H2B	60	20	05	0.12	0.60	4400	H	18.10	0.23	31	3	B
DC0602005M2B	60	20	05	0.11	0.55	4000	M	16.40	0.19	29	3	B
DC0602005L2B	60	20	05	0.09	0.45	3600	L	14.80	0.15	26	3	B
DC0602005J2B	60	20	05	0.07	0.35	3200	J	13.50	0.12	24	3	B
DC0602012U2B	60	20	12	0.14	1.73	4800	U	19.60	0.27	33	3	B
DC0602012H2B	60	20	12	0.12	1.44	4400	H	18.10	0.23	31	3	B
DC0602012M2B	60	20	12	0.11	1.32	4000	M	16.40	0.19	29	3	B
DC0602012L2B	60	20	12	0.09	1.08	3600	L	14.80	0.15	26	3	B
DC0602012J2B	60	20	12	0.07	0.84	3200	J	13.50	0.12	24	3	B
DC0602024U2B	60	20	24	0.14	3.46	4800	U	19.60	0.27	33	3	B
DC0602024H2B	60	20	24	0.12	2.88	4400	H	18.10	0.23	31	3	B
DC0602024M2B	60	20	24	0.11	2.64	4000	M	16.40	0.19	29	3	B
DC0602024L2B	60	20	24	0.09	2.16	3600	L	14.80	0.15	26	3	B
DC0602024J2B	60	20	24	0.07	1.68	3200	J	13.50	0.12	24	3	B
DC0602048U2B	60	20	48	0.14	6.91	4800	U	19.60	0.27	33	3	B
DC0602048H2B	60	20	48	0.12	5.76	4400	H	18.10	0.23	31	3	B
DC0602048M2B	60	20	48	0.11	5.28	4000	M	16.40	0.19	29	3	B
DC0602048L2B	60	20	48	0.09	4.32	3600	L	14.80	0.15	26	3	B
DC0602048J2B	60	20	48	0.07	3.36	3200	J	13.50	0.12	24	3	B

See page 6 for termination configurations and typical ordering configurations





60x60x25mm

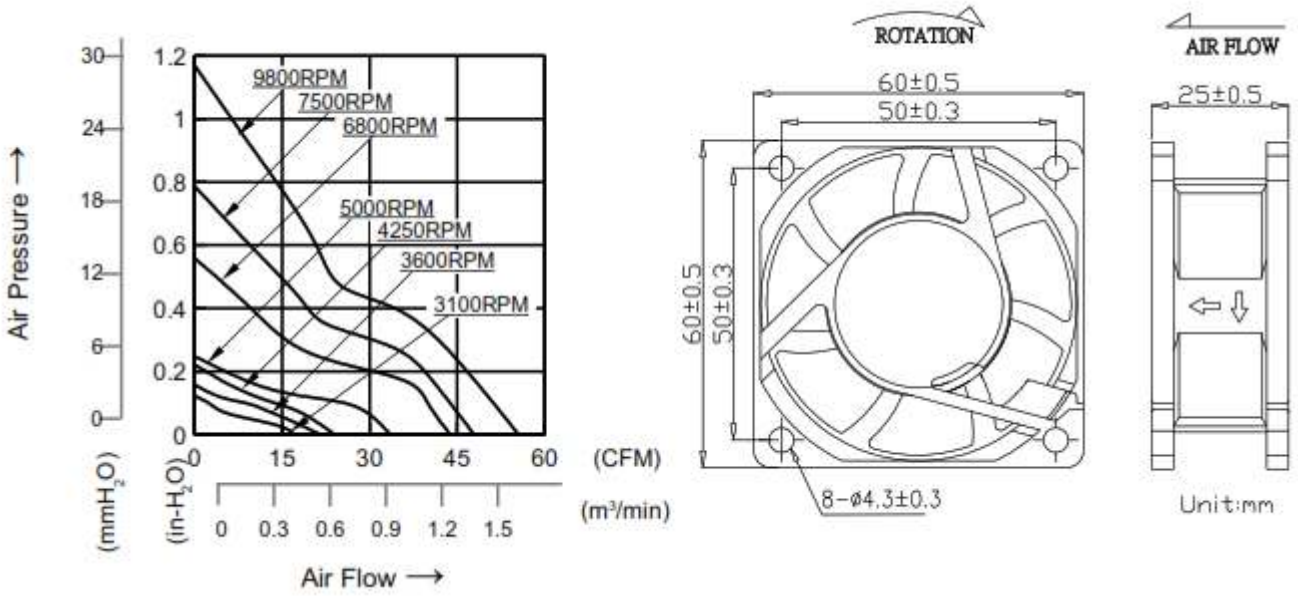


- MOTOR : DC single phase brushless motor
- FRAME : PBT (94V-0) ; IMPELLER : PBT(94V-0)
- OPERATING TEMP.: -10°C~70°C
- STORAGE TEMP.: -40°C~70°C
- WEIGHT : 57g
- Dual Ball Bearing
- Lead Length: 300mm +/- 10mm
- 2 Wire: Standard
- 3 Wire: Tach (FG) Optional
- 4 Wire: PWM Optional

Description	Size (mm)	Thickness (mm)	Rated Voltage (VDC)	Rated Current (A)	Rated Power (W)	Rated Speed (RPM)	Speed Code	Max Airflow (CFM)	Max Pressure (InAq)	Noise Level (dB/A)	Tach	PWM
DC0602505W2B	60	25	05	0.54	2.70	9800	W	55.50	1.17	66	3	B
DC0602505V2B	60	25	05	0.48	2.40	7500	V	47.90	0.79	63	3	B
DC0602505U2B	60	25	05	0.45	2.25	6800	U	43.80	0.56	56	3	B
DC0602505H2B	60	25	05	0.28	1.40	5000	H	33.60	0.25	40	3	B
DC0602505M2B	60	25	05	0.15	0.75	4250	M	24.00	0.22	34	3	B
DC0602505L2B	60	25	05	0.12	0.60	3600	L	21.50	0.16	31	3	B
DC0602505J2B	60	25	05	0.20	1.00	3100	J	17.10	0.12	26	3	B
DC0602512W2B	60	25	12	0.54	6.48	9800	W	55.50	1.17	66	3	B
DC0602512V2B	60	25	12	0.48	5.76	7500	V	47.90	0.79	63	3	B
DC0602512U2B	60	25	12	0.45	5.40	6800	U	43.80	0.56	56	3	B
DC0602512H2B	60	25	12	0.28	3.36	5000	H	33.60	0.25	40	3	B
DC0602512M2B	60	25	12	0.15	1.80	4250	M	24.00	0.22	34	3	B
DC0602512L2B	60	25	12	0.12	1.44	3600	L	21.50	0.16	31	3	B
DC0602512J2B	60	25	12	0.20	2.40	3100	J	17.10	0.12	26	3	B
DC0602524W2B	60	25	24	0.54	12.96	9800	W	55.50	1.17	66	3	B
DC0602524V2B	60	25	24	0.48	11.52	7500	V	47.90	0.79	63	3	B
DC0602524U2B	60	25	24	0.45	10.80	6800	U	43.80	0.56	56	3	B
DC0602524H2B	60	25	24	0.28	6.72	5000	H	33.60	0.25	40	3	B
DC0602524M2B	60	25	24	0.15	3.60	4250	M	24.00	0.22	34	3	B
DC0602524L2B	60	25	24	0.12	2.88	3600	L	21.50	0.16	31	3	B
DC0602524J2B	60	25	24	0.20	4.80	3100	J	17.10	0.12	26	3	B
DC0602548W2B	60	25	48	0.54	25.92	9800	W	55.50	1.17	66	3	B
DC0602548V2B	60	25	48	0.48	23.04	7500	V	47.90	0.79	63	3	B
DC0602548U2B	60	25	48	0.45	21.60	6800	U	43.80	0.56	56	3	B
DC0602548H2B	60	25	48	0.28	13.44	5000	H	33.60	0.25	40	3	B
DC0602548M2B	60	25	48	0.15	7.20	4250	M	24.00	0.22	34	3	B
DC0602548L2B	60	25	48	0.12	5.76	3600	L	21.50	0.16	31	3	B
DC0602548J2B	60	25	48	0.20	9.60	3100	J	17.10	0.12	26	3	B

See page 6 for termination configurations and typical ordering configurations

60x60x25mm


Air Pressure ⟶
30
24
18
12
6
0
(mmH2O)
1.2
1
0.8
0.6
0.4
0.2
0
(in-H2O)
9800RPM
7500RPM
6800RPM
5000RPM
4250RPM
3600RPM
3100RPM
0
15
30
45
60
(CFM)
0
0.3
0.6
0.9
1.2
1.5
(m³/min)
Air Flow ⟶
ROTATION
60±0.5
50±0.3
60±0.5
50±0.3
8-ø4.3±0.3
AIR FLOW
25±0.5
Unit:mm

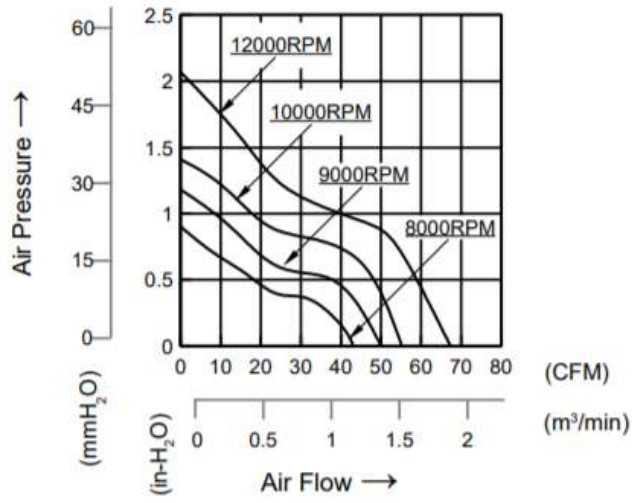
60x60x38mm

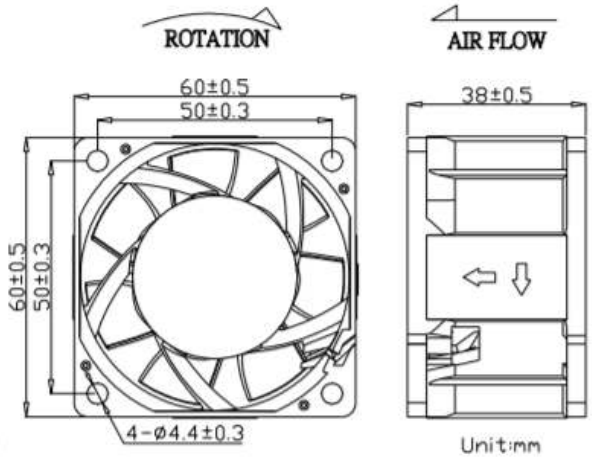


- MOTOR : DC single phase brushless motor
- FRAME : PBT (94V-0) ; IMPELLER : PBT(94V-0)
- OPERATING TEMP.: -10°C~70°C
- STORAGE TEMP.: -40°C~70°C
- WEIGHT : 145g
- Dual Ball Bearing
- Lead Length: 300mm +/- 10mm
- 2 Wire: Standard
- 3 Wire: Tach (FG) Optional
- 4 Wire: PWM Optional

Description	Size (mm)	Thickness (mm)	Rated Voltage (VDC)	Rated Current (A)	Rated Power (W)	Rated Speed (RPM)	Speed Code	Max Airflow (CFM)	Max Pressure (InAq)	Noise Level (dB/A)	Tach	PWM
DC0603805M2B	60	38	05	1.38	6.90	12000	M	67.30	2.07	62	3	B
DC0603805L2B	60	38	05	1.00	5.00	10000	L	55.20	1.41	57	3	B
DC0603805J2B	60	38	05	0.68	3.40	9000	J	50.80	1.19	54	3	B
DC0603805I2B	60	38	05	0.52	2.60	8000	I	43.10	0.90	51	3	B
DC0603812M2B	60	38	12	1.38	16.56	12000	M	67.30	2.07	62	3	B
DC0603812L2B	60	38	12	1.00	12.00	10000	L	55.20	1.41	57	3	B
DC0603812J2B	60	38	12	0.68	8.16	9000	J	50.80	1.19	54	3	B
DC0603812I2B	60	38	12	0.52	6.24	8000	I	43.10	0.90	51	3	B
DC0603824M2B	60	38	24	1.38	33.12	12000	M	67.30	2.07	62	3	B
DC0603824L2B	60	38	24	1.00	24.00	10000	L	55.20	1.41	57	3	B
DC0603824J2B	60	38	24	0.68	16.32	9000	J	50.80	1.19	54	3	B
DC0603824I2B	60	38	24	0.52	12.48	8000	I	43.10	0.90	51	3	B
DC0603848M2B	60	38	48	1.38	66.24	12000	M	67.30	2.07	62	3	B
DC0603848L2B	60	38	48	1.00	48.00	10000	L	55.20	1.41	57	3	B
DC0603848J2B	60	38	48	0.68	32.64	9000	J	50.80	1.19	54	3	B
DC0603848I2B	60	38	48	0.52	24.96	8000	I	43.10	0.90	51	3	B

See page 6 for termination configurations and typical ordering configurations





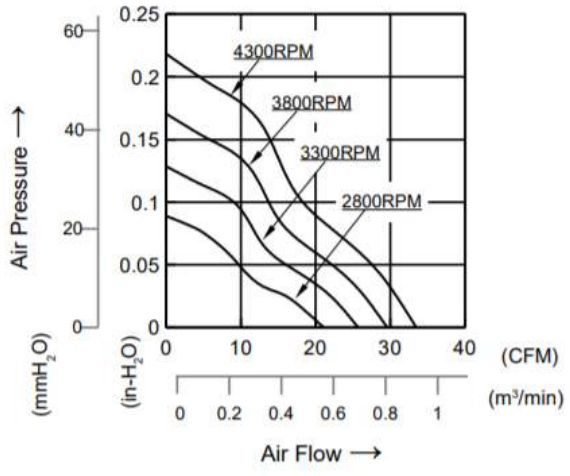
70x70x15mm

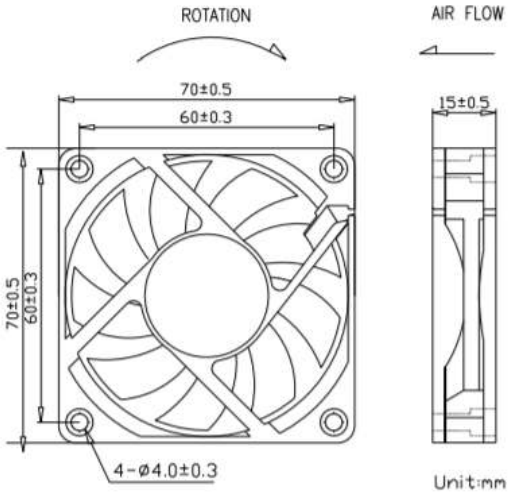


- MOTOR : DC single phase brushless motor
- FRAME : PBT (94V-0) ; IMPELLER : PBT(94V-0)
- OPERATING TEMP.: -10°C~70°C
- STORAGE TEMP.: -40°C~70°C
- WEIGHT : 145g
- Dual Ball Bearing
- Lead Length: 300mm +/- 10mm
- 2 Wire: Standard
- 3 Wire: Tach (FG) Optional
- 4 Wire: PWM Optional

Description	Size (mm)	Thickness (mm)	Rated Voltage (VDC)	Rated Current (A)	Rated Power (W)	Rated Speed (RPM)	Speed Code	Max Airflow (CFM)	Max Pressure (InAq)	Noise Level (dB/A)	Tach	PWM
DC0701505H2B	70	15	05	0.25	1.25	4300	H	33.50	0.22	39	3	B
DC0701505M2B	70	15	05	0.17	0.85	3800	M	29.60	0.17	35	3	B
DC0701505L2B	70	15	05	0.12	0.60	3300	L	25.70	0.13	31	3	B
DC0701505J2B	70	15	05	0.10	0.50	2800	J	21.10	0.09	27	3	B
DC0701512H2B	70	15	12	0.25	3.00	4300	H	33.50	0.22	39	3	B
DC0701512M2B	70	15	12	0.17	2.04	3800	M	29.60	0.17	35	3	B
DC0701512L2B	70	15	12	0.12	1.44	3300	L	25.70	0.13	31	3	B
DC0701512J2B	70	15	12	0.10	1.20	2800	J	21.10	0.09	27	3	B
DC0701524H2B	70	15	24	0.25	6.00	4300	H	33.50	0.22	39	3	B
DC0701524M2B	70	15	24	0.17	4.08	3800	M	29.60	0.17	35	3	B
DC0701524L2B	70	15	24	0.12	2.88	3300	L	25.70	0.13	31	3	B
DC0701524J2B	70	15	24	0.10	2.40	2800	J	21.10	0.09	27	3	B
DC0701548H2B	70	15	48	0.25	12.00	4300	H	33.50	0.22	39	3	B
DC0701548M2B	70	15	48	0.17	8.16	3800	M	29.60	0.17	35	3	B
DC0701548L2B	70	15	48	0.12	5.76	3300	L	25.70	0.13	31	3	B
DC0701548J2B	70	15	48	0.10	4.80	2800	J	21.10	0.09	27	3	B

See page 6 for termination configurations and typical ordering configurations





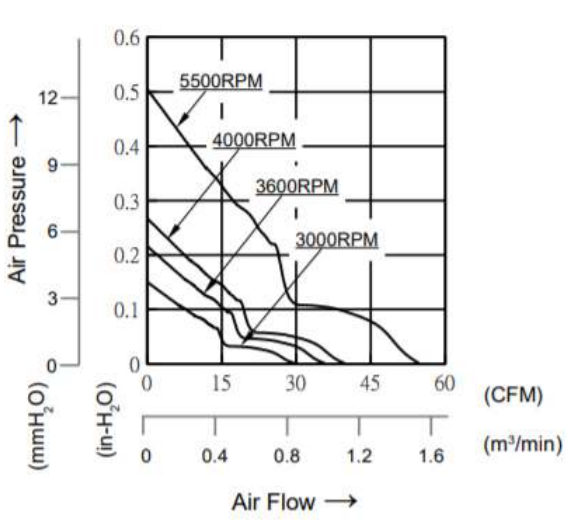
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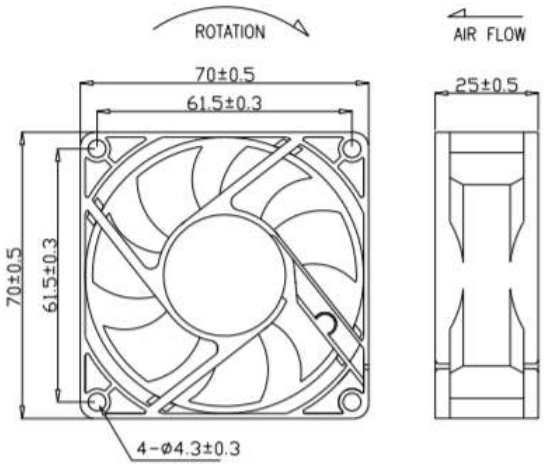


- MOTOR : DC single phase brushless motor
- FRAME : PBT (94V-0) ; IMPELLER : PBT(94V-0)
- OPERATING TEMP.: -10°C~70°C
- STORAGE TEMP.: -40°C~70°C
- WEIGHT : 50g
- Dual Ball Bearing
- Lead Length: 300mm +/- 10mm
- 2 Wire: Standard
- 3 Wire: Tach (FG) Optional
- 4 Wire: PWM Optional

Description	Size (mm)	Thickness (mm)	Rated Voltage (VDC)	Rated Current (A)	Rated Power (W)	Rated Speed (RPM)	Speed Code	Max Airflow (CFM)	Max Pressure (InAq)	Noise Level (dB/A)	Tach	PWM
DC0702505U2B	70	25	05	0.27	1.35	5500	U	54.80	0.50	45	3	B
DC0702505H2B	70	25	05	0.13	0.65	4000	H	39.90	0.27	37	3	B
DC0702505M2B	70	25	05	0.09	0.45	3600	M	35.60	0.22	32	3	B
DC0702505L2B	70	25	05	0.07	0.35	3000	L	30.00	0.15	27	3	B
DC0702512U2B	70	25	12	0.27	3.24	5500	U	54.80	0.50	45	3	B
DC0702512H2B	70	25	12	0.13	1.56	4000	H	39.90	0.27	37	3	B
DC0702512M2B	70	25	12	0.09	1.08	3600	M	35.60	0.22	32	3	B
DC0702512L2B	70	25	12	0.07	0.84	3000	L	30.00	0.15	27	3	B
DC0702524U2B	70	25	24	0.27	6.48	5500	U	54.80	0.50	45	3	B
DC0702524H2B	70	25	24	0.13	3.12	4000	H	39.90	0.27	37	3	B
DC0702524M2B	70	25	24	0.09	2.16	3600	M	35.60	0.22	32	3	B
DC0702524L2B	70	25	24	0.07	1.68	3000	L	30.00	0.15	27	3	B
DC0702548U2B	70	25	48	0.27	12.96	5500	U	54.80	0.50	45	3	B
DC0702548H2B	70	25	48	0.13	6.24	4000	H	39.90	0.27	37	3	B
DC0702548M2B	70	25	48	0.09	4.32	3600	M	35.60	0.22	32	3	B
DC0702548L2B	70	25	48	0.07	3.36	3000	L	30.00	0.15	27	3	B

See page 6 for termination configurations and typical ordering configurations





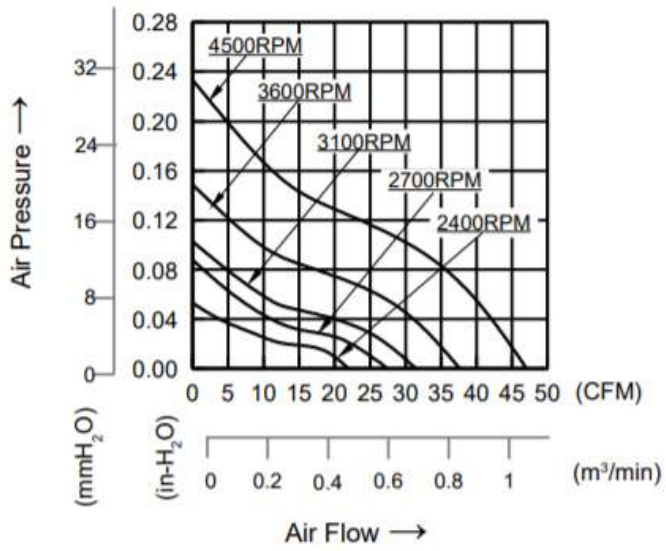
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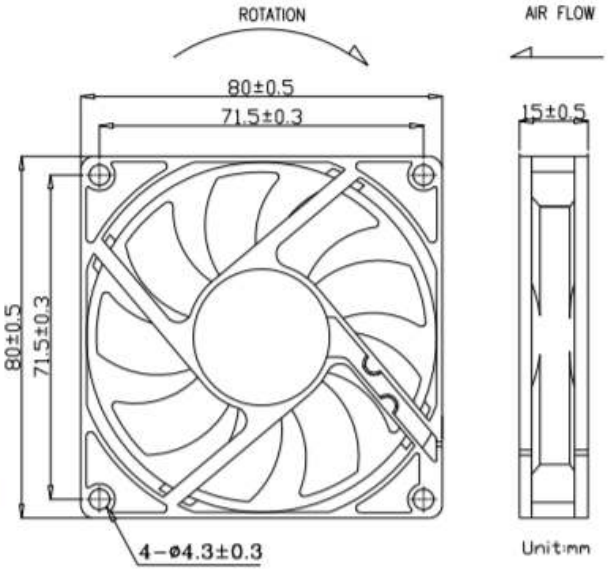


- MOTOR : DC single phase brushless motor
- FRAME : PBT (94V-0) ; IMPELLER : PBT(94V-0)
- OPERATING TEMP.: -10°C~70°C
- STORAGE TEMP.: -40°C~70°C
- WEIGHT : 54g
- Dual Ball Bearing
- Lead Length: 300mm +/- 10mm
- 2 Wire: Standard
- 3 Wire: Tach (FG) Optional
- 4 Wire: PWM Optional

Description	Size (mm)	Thickness (mm)	Rated Voltage (VDC)	Rated Current (A)	Rated Power (W)	Rated Speed (RPM)	Speed Code	Max Airflow (CFM)	Max Pressure (InAq)	Noise Level (dB/A)	Tach	PWM
DC0801505U2B	80	15	05	0.48	2.40	4500	U	45.20	0.21	43	3	B
DC0801505H2B	80	15	05	0.16	0.80	3600	H	37.60	0.15	36	3	B
DC0801505M2B	80	15	05	0.12	0.60	3100	M	31.50	0.10	32	3	B
DC0801505L2B	80	15	05	0.10	0.50	2700	L	27.50	0.09	30	3	B
DC0801505J2B	80	15	05	0.06	0.30	2400	J	22.00	0.05	25	3	B
DC0801512U2B	80	15	12	0.48	5.76	4500	U	45.20	0.21	43	3	B
DC0801512H2B	80	15	12	0.16	1.92	3600	H	37.60	0.15	36	3	B
DC0801512M2B	80	15	12	0.12	1.44	3100	M	31.50	0.10	32	3	B
DC0801512L2B	80	15	12	0.10	1.20	2700	L	27.50	0.09	30	3	B
DC0801512J2B	80	15	12	0.06	0.72	2400	J	22.00	0.05	25	3	B
DC0801524U2B	80	15	24	0.48	11.52	4500	U	45.20	0.21	43	3	B
DC0801524H2B	80	15	24	0.16	3.84	3600	H	37.60	0.15	36	3	B
DC0801524M2B	80	15	24	0.12	2.88	3100	M	31.50	0.10	32	3	B
DC0801524L2B	80	15	24	0.10	2.40	2700	L	27.50	0.09	30	3	B
DC0801524J2B	80	15	24	0.06	1.44	2400	J	22.00	0.05	25	3	B
DC0801548U2B	80	15	48	0.48	23.04	4500	U	45.20	0.21	43	3	B
DC0801548H2B	80	15	48	0.16	7.68	3600	H	37.60	0.15	36	3	B
DC0801548M2B	80	15	48	0.12	5.76	3100	M	31.50	0.10	32	3	B
DC0801548L2B	80	15	48	0.10	4.80	2700	L	27.50	0.09	30	3	B
DC0801548J2B	80	15	48	0.06	2.88	2400	J	22.00	0.05	25	3	B

See page 6 for termination configurations and typical ordering configurations





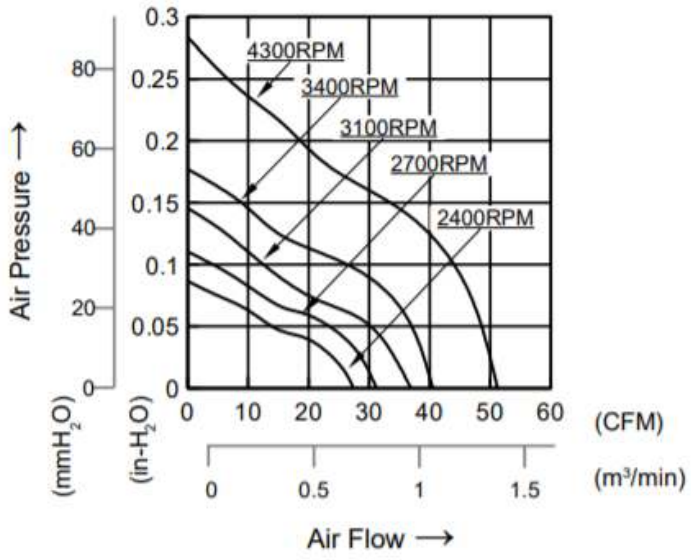
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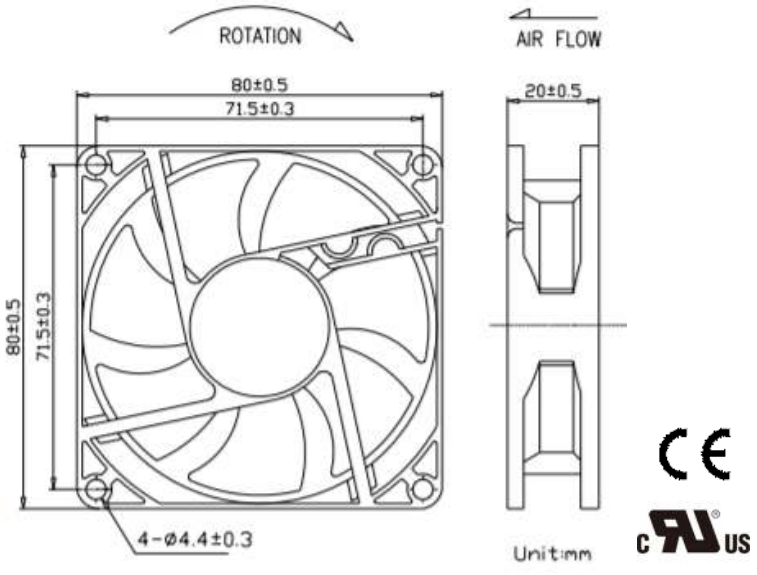


- MOTOR : DC single phase brushless motor
- FRAME : PBT (94V-0) ; IMPELLER : PBT(94V-0)
- OPERATING TEMP.: -10°C~70°C
- STORAGE TEMP.: -40°C~70°C
- WEIGHT : 76g
- Dual Ball Bearing
- Lead Length: 300mm +/- 10mm
- 2 Wire: Standard
- 3 Wire: Tach (FG) Optional
- 4 Wire: PWM Optional

Description	Size (mm)	Thickness (mm)	Rated Voltage (VDC)	Rated Current (A)	Rated Power (W)	Rated Speed (RPM)	Speed Code	Max Airflow (CFM)	Max Pressure (InAq)	Noise Level (dB/A)	Tach	PWM
DC0802005U2B	80	20	05	0.30	1.50	4300	U	51.20	0.28	43	3	B
DC0802005H2B	80	20	05	0.24	1.20	3400	H	40.50	0.18	36	3	B
DC0802005M2B	80	20	05	0.18	0.90	3100	M	36.90	0.15	34	3	B
DC0802005L2B	80	20	05	0.16	0.80	2700	L	31.20	0.11	29	3	B
DC0802005J2B	80	20	05	0.13	0.65	2400	J	27.40	0.09	25	3	B
DC0802012U2B	80	20	12	0.30	3.60	4300	U	51.20	0.28	43	3	B
DC0802012H2B	80	20	12	0.24	2.88	3400	H	40.50	0.18	36	3	B
DC0802012M2B	80	20	12	0.18	2.16	3100	M	36.90	0.15	34	3	B
DC0802012L2B	80	20	12	0.16	1.92	2700	L	31.20	0.11	29	3	B
DC0802012J2B	80	20	12	0.13	1.56	2400	J	27.40	0.09	25	3	B
DC0802024U2B	80	20	24	0.30	7.20	4300	U	51.20	0.28	43	3	B
DC0802024H2B	80	20	24	0.24	5.76	3400	H	40.50	0.18	36	3	B
DC0802024M2B	80	20	24	0.18	4.32	3100	M	36.90	0.15	34	3	B
DC0802024L2B	80	20	24	0.16	3.84	2700	L	31.20	0.11	29	3	B
DC0802024J2B	80	20	24	0.13	3.12	2400	J	27.40	0.09	25	3	B
DC0802048U2B	80	20	48	0.30	14.40	4300	U	51.20	0.28	43	3	B
DC0802048H2B	80	20	48	0.24	11.52	3400	H	40.50	0.18	36	3	B
DC0802048M2B	80	20	48	0.18	8.64	3100	M	36.90	0.15	34	3	B
DC0802048L2B	80	20	48	0.16	7.68	2700	L	31.20	0.11	29	3	B
DC0802048J2B	80	20	48	0.13	6.24	2400	J	27.40	0.09	25	3	B

See page 6 for termination configurations and typical ordering configurations





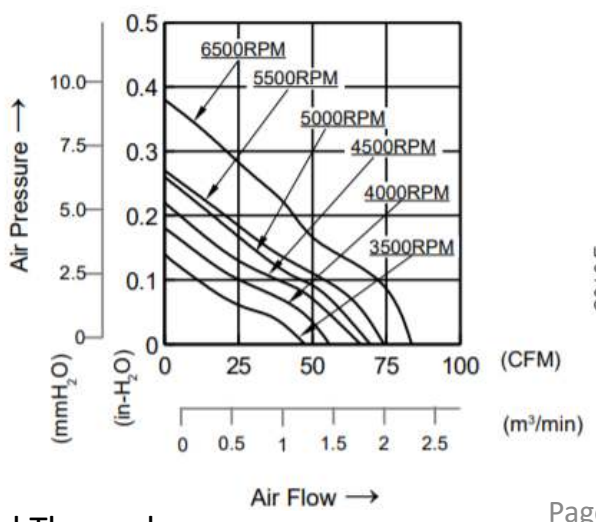
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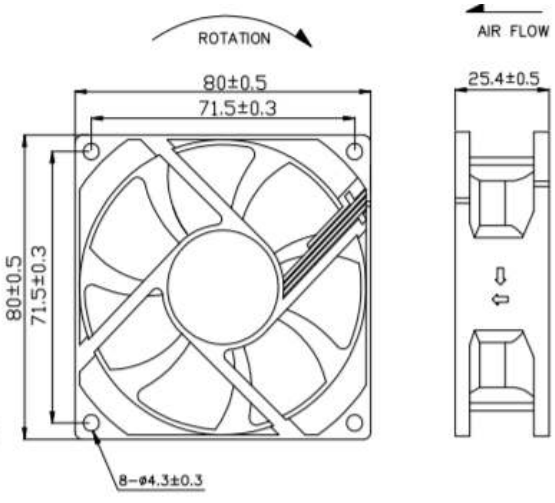


- MOTOR : DC single phase brushless motor
- FRAME : PBT (94V-0) ; IMPELLER : PBT(94V-0)
- OPERATING TEMP.: -10°C~70°C
- STORAGE TEMP.: -40°C~70°C
- WEIGHT : 85g
- Dual Ball Bearing
- Lead Length: 300mm +/- 10mm
- 2 Wire: Standard
- 3 Wire: Tach (FG) Optional
- 4 Wire: PWM Optional

Description	Size (mm)	Thickness (mm)	Rated Voltage (VDC)	Rated Current (A)	Rated Power (W)	Rated Speed (RPM)	Speed Code	Max Airflow (CFM)	Max Pressure (InAq)	Noise Level (dB/A)	Tach	PWM
DC0802505U2B	80	25	05	0.73	3.65	6500	U	83.60	0.38	50	3	B
DC0802505H2B	80	25	05	0.48	2.40	5500	H	74.30	0.27	46	3	B
DC0802505M2B	80	25	05	0.25	1.25	5000	M	69.90	0.26	44	3	B
DC0802505L2B	80	25	05	0.20	1.00	4500	L	66.40	0.22	42	3	B
DC0802505I2B	80	25	05	0.13	0.65	4000	I	55.80	0.18	37	3	B
DC0802505J2B	80	25	05	0.15	0.75	3500	J	47.50	0.14	35	3	B
DC0802512U2B	80	25	12	0.73	8.76	6500	U	83.60	0.38	50	3	B
DC0802512H2B	80	25	12	0.48	5.76	5500	H	74.30	0.27	46	3	B
DC0802512M2B	80	25	12	0.25	3.00	5000	M	69.90	0.26	44	3	B
DC0802512L2B	80	25	12	0.20	2.40	4500	L	66.40	0.22	42	3	B
DC0802512I2B	80	25	12	0.13	1.56	4000	I	55.80	0.18	37	3	B
DC0802512J2B	80	25	12	0.15	1.80	3500	J	47.50	0.14	35	3	B
DC0802524U2B	80	25	24	0.73	17.52	6500	U	83.60	0.38	50	3	B
DC0802524H2B	80	25	24	0.48	11.52	5500	H	74.30	0.27	46	3	B
DC0802524M2B	80	25	24	0.25	6.00	5000	M	69.90	0.26	44	3	B
DC0802524L2B	80	25	24	0.20	4.80	4500	L	66.40	0.22	42	3	B
DC0802524I2B	80	25	24	0.13	3.12	4000	I	55.80	0.18	37	3	B
DC0802524J2B	80	25	24	0.15	3.60	3500	J	47.50	0.14	35	3	B
DC0802548U2B	80	25	48	0.73	35.04	6500	U	83.60	0.38	50	3	B
DC0802548H2B	80	25	48	0.48	23.04	5500	H	74.30	0.27	46	3	B
DC0802548M2B	80	25	48	0.25	12.00	5000	M	69.90	0.26	44	3	B
DC0802548L2B	80	25	48	0.20	9.60	4500	L	66.40	0.22	42	3	B
DC0802548I2B	80	25	48	0.13	6.24	4000	I	55.80	0.18	37	3	B
DC0802548J2B	80	25	48	0.15	7.20	3500	J	47.50	0.14	35	3	B

See page 6 for termination configurations and typical ordering configurations





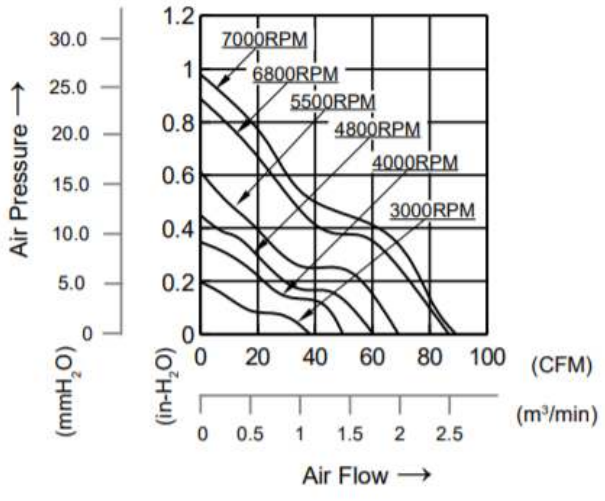
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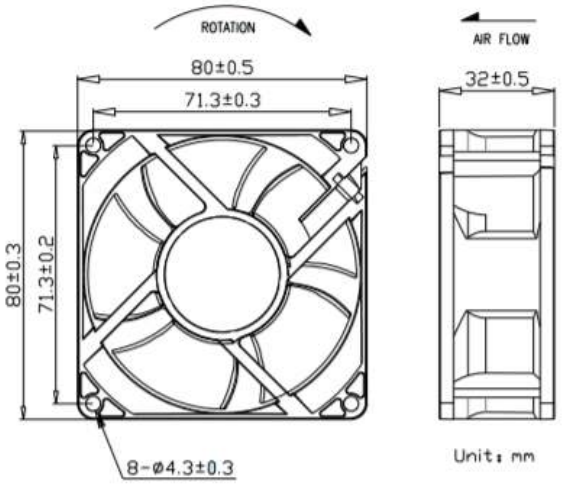


- MOTOR : DC single phase brushless motor
- FRAME : PBT (94V-0) ; IMPELLER : PBT(94V-0)
- OPERATING TEMP.: -10°C~70°C
- STORAGE TEMP.: -40°C~70°C
- WEIGHT : 120g
- Dual Ball Bearing
- Lead Length: 300mm +/- 10mm
- 2 Wire: Standard
- 3 Wire: Tach (FG) Optional
- 4 Wire: PWM Optional

Description	Size (mm)	Thickness (mm)	Rated Voltage (VDC)	Rated Current (A)	Rated Power (W)	Rated Speed (RPM)	Speed Code	Max Airflow (CFM)	Max Pressure (InAq)	Noise Level (dB/A)	Tach	PWM
DC0803205W2B	80	32	05	0.95	4.75	6800	W	86.70	0.89	54	3	B
DC0803205H2B	80	32	05	0.50	2.50	5500	H	69.10	0.61	48	3	B
DC0803205M2B	80	32	05	0.35	1.75	4800	M	60.40	0.45	45	3	B
DC0803205L2B	80	32	05	0.20	1.00	4000	L	49.70	0.35	39	3	B
DC0803205J2B	80	32	05	0.15	0.75	3000	J	38.20	0.20	31	3	B
DC0803212W2B	80	32	12	0.95	11.40	6800	W	86.70	0.89	54	3	B
DC0803212H2B	80	32	12	0.50	6.00	5500	H	69.10	0.61	48	3	B
DC0803212M2B	80	32	12	0.35	4.20	4800	M	60.40	0.45	45	3	B
DC0803212L2B	80	32	12	0.20	2.40	4000	L	49.70	0.35	39	3	B
DC0803212J2B	80	32	12	0.15	1.80	3000	J	38.20	0.20	31	3	B
DC0803224W2B	80	32	24	0.95	22.80	6800	W	86.70	0.89	54	3	B
DC0803224H2B	80	32	24	0.50	12.00	5500	H	69.10	0.61	48	3	B
DC0803224M2B	80	32	24	0.35	8.40	4800	M	60.40	0.45	45	3	B
DC0803224L2B	80	32	24	0.20	4.80	4000	L	49.70	0.35	39	3	B
DC0803224J2B	80	32	24	0.15	3.60	3000	J	38.20	0.20	31	3	B
DC0803248W2B	80	32	48	0.95	45.60	6800	W	86.70	0.89	54	3	B
DC0803248H2B	80	32	48	0.50	24.00	5500	H	69.10	0.61	48	3	B
DC0803248M2B	80	32	48	0.35	16.80	4800	M	60.40	0.45	45	3	B
DC0803248L2B	80	32	48	0.20	9.60	4000	L	49.70	0.35	39	3	B
DC0803248J2B	80	32	48	0.15	7.20	3000	J	38.20	0.20	31	3	B

See page 6 for termination configurations and typical ordering configurations





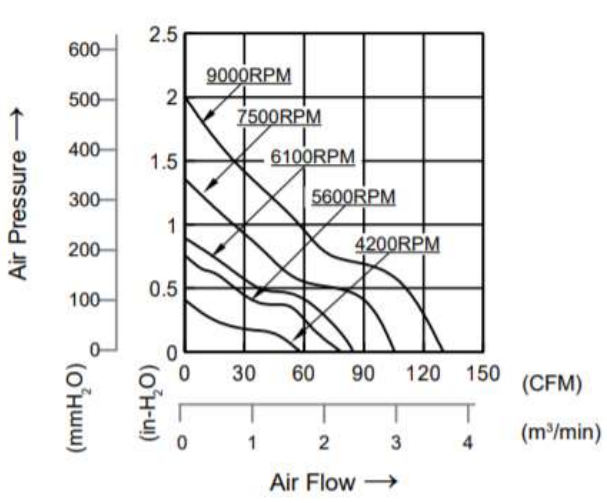
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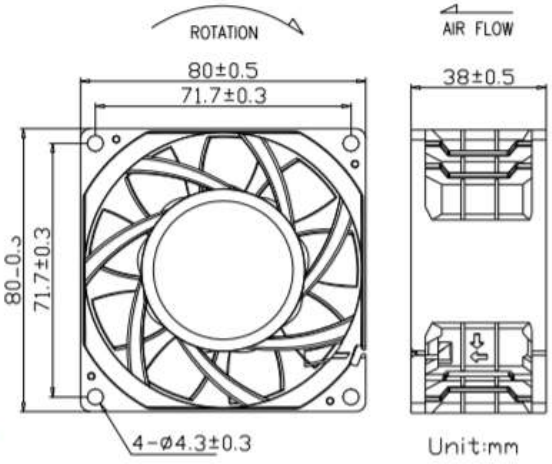


- MOTOR : DC single phase brushless motor
- FRAME : PBT (94V-0) ; IMPELLER : PBT(94V-0)
- OPERATING TEMP.: -10°C~70°C
- STORAGE TEMP.: -40°C~70°C
- WEIGHT : 210g
- Dual Ball Bearing
- Lead Length: 300mm +/- 10mm
- 2 Wire: Standard
- 3 Wire: Tach (FG) Optional
- 4 Wire: PWM Optional

Description	Size (mm)	Thickness (mm)	Rated Voltage (VDC)	Rated Current (A)	Rated Power (W)	Rated Speed (RPM)	Speed Code	Max Airflow (CFM)	Max Pressure (InAq)	Noise Level (dB/A)	Tach	PWM
DC0803805V2B	80	38	05	2.70	13.50	9000	V	130.00	2.00	66	3	B
DC0803805U2B	80	38	05	1.50	7.50	7500	U	105.50	1.36	62	3	B
DC0803805H2B	80	38	05	1.00	5.00	6100	H	84.80	0.89	56	3	B
DC0803805M2B	80	38	05	0.76	3.80	5600	M	78.80	0.76	53	3	B
DC0803805L2B	80	38	05	0.40	2.00	4200	L	58.20	0.41	45	3	B
DC0803812V2B	80	38	12	2.70	32.40	9000	V	130.00	2.00	66	3	B
DC0803812U2B	80	38	12	1.50	18.00	7500	U	105.50	1.36	62	3	B
DC0803812H2B	80	38	12	1.00	12.00	6100	H	84.80	0.89	56	3	B
DC0803812M2B	80	38	12	0.76	9.12	5600	M	78.80	0.76	53	3	B
DC0803812L2B	80	38	12	0.40	4.80	4200	L	58.20	0.41	45	3	B
DC0803824V2B	80	38	24	2.70	64.80	9000	V	130.00	2.00	66	3	B
DC0803824U2B	80	38	24	1.50	36.00	7500	U	105.50	1.36	62	3	B
DC0803824H2B	80	38	24	1.00	24.00	6100	H	84.80	0.89	56	3	B
DC0803824M2B	80	38	24	0.76	18.24	5600	M	78.80	0.76	53	3	B
DC0803824L2B	80	38	24	0.40	9.60	4200	L	58.20	0.41	45	3	B
DC0803848V2B	80	38	48	2.70	129.60	9000	V	130.00	2.00	66	3	B
DC0803848U2B	80	38	48	1.50	72.00	7500	U	105.50	1.36	62	3	B
DC0803848H2B	80	38	48	1.00	48.00	6100	H	84.80	0.89	56	3	B
DC0803848M2B	80	38	48	0.76	36.48	5600	M	78.80	0.76	53	3	B
DC0803848L2B	80	38	48	0.40	19.20	4200	L	58.20	0.41	45	3	B

See page 6 for termination configurations and typical ordering configurations





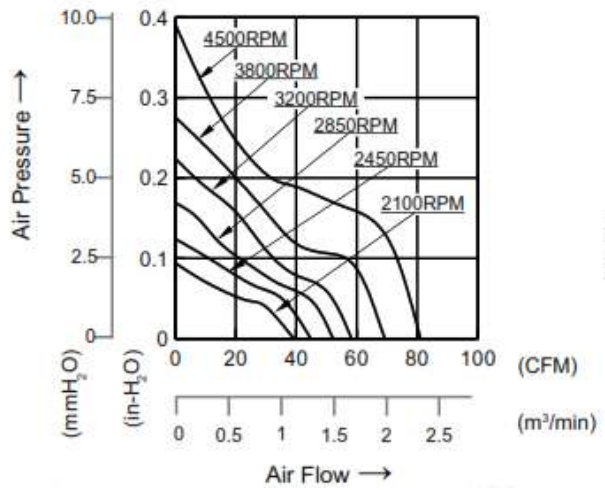
92x92x25mm

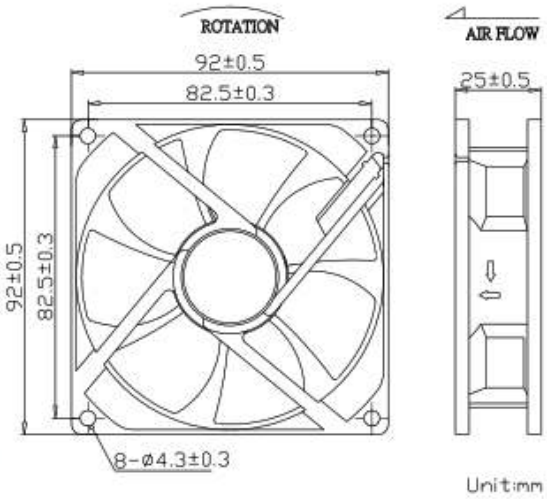


- MOTOR : DC single phase brushless motor
- FRAME : PBT (94V-0) ; IMPELLER : PBT(94V-0)
- OPERATING TEMP.: -10°C~70°C
- STORAGE TEMP.: -40°C~70°C
- WEIGHT : 85g
- Dual Ball Bearing
- Lead Length: 300mm +/- 10mm
- 2 Wire: Standard
- 3 Wire: Tach (FG) Optional
- 4 Wire: PWM Optional

Description	Size (mm)	Thickness (mm)	Rated Voltage (VDC)	Rated Current (A)	Rated Power (W)	Rated Speed (RPM)	Speed Code	Max Airflow (CFM)	Max Pressure (InAq)	Noise Level (dB/A)	Tach	PWM
DC0922505V2B	92	25	05	0.41	2.05	4500	V	81.00	0.40	49	3	B
DC0922505U2B	92	25	05	0.30	1.50	3800	U	69.20	0.28	45	3	B
DC0922505H2B	92	25	05	0.20	1.00	3200	H	58.30	0.22	38	3	B
DC0922505M2B	92	25	05	0.14	0.70	2850	M	52.10	0.17	34	3	B
DC0922505L2B	92	25	05	0.11	0.55	2450	L	44.80	0.12	30	3	B
DC0922505J2B	92	25	05	0.09	0.45	2100	J	39.20	0.09	25	3	B
DC0922512V2B	92	25	12	0.43	5.16	4500	V	81.00	0.40	49	3	B
DC0922512U2B	92	25	12	0.30	3.60	3800	U	69.20	0.28	45	3	B
DC0922512H2B	92	25	12	0.20	2.40	3200	H	58.30	0.22	38	3	B
DC0922512M2B	92	25	12	0.14	1.68	2850	M	52.10	0.17	34	3	B
DC0922512L2B	92	25	12	0.11	1.32	2450	L	44.80	0.12	30	3	B
DC0922512J2B	92	25	12	0.09	1.08	2100	J	39.20	0.09	25	3	B
DC0922524V2B	92	25	24	0.41	9.84	4500	V	81.00	0.40	49	3	B
DC0922524U2B	92	25	24	0.30	7.20	3800	U	69.20	0.28	45	3	B
DC0922524H2B	92	25	24	0.20	4.80	3200	H	58.30	0.22	38	3	B
DC0922524M2B	92	25	24	0.14	3.36	2850	M	52.10	0.17	34	3	B
DC0922524L2B	92	25	24	0.11	2.64	2450	L	44.80	0.12	30	3	B
DC0922524J2B	92	25	24	0.09	2.16	2100	J	39.20	0.09	25	3	B
DC0922548V2B	92	25	48	0.41	19.68	4500	V	81.00	0.40	49	3	B
DC0922548U2B	92	25	48	0.30	14.40	3800	U	69.20	0.28	45	3	B
DC0922548H2B	92	25	48	0.20	9.60	3200	H	58.30	0.22	38	3	B
DC0922548M2B	92	25	48	0.14	6.72	2850	M	52.10	0.17	34	3	B
DC0922548L2B	92	25	48	0.11	5.28	2450	L	44.80	0.12	30	3	B
DC0922548J2B	92	25	48	0.09	4.32	2100	J	39.20	0.09	25	3	B

See page 6 for termination configurations and typical ordering configurations





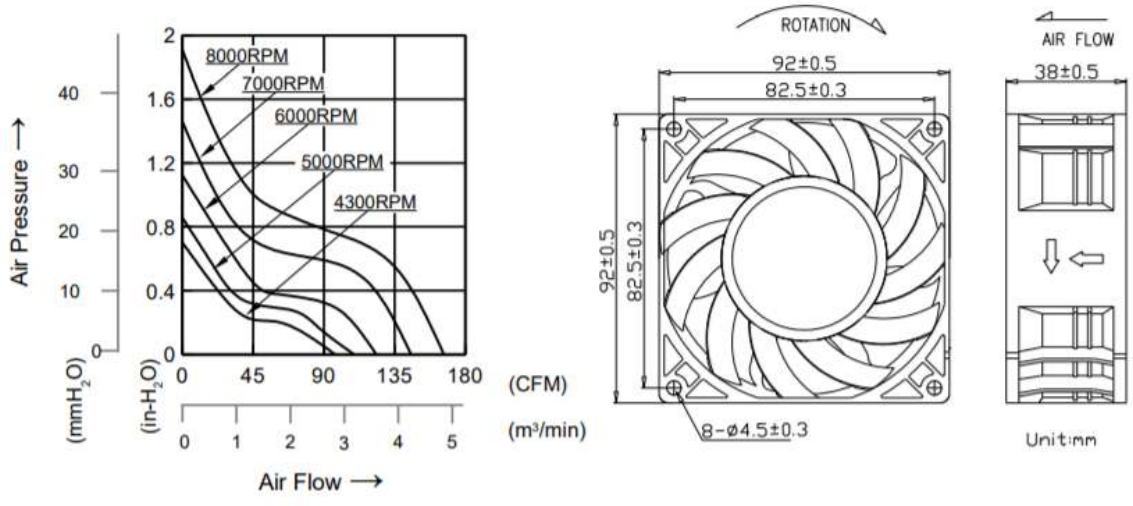
92x92x38mm



- MOTOR : DC single phase brushless motor
- FRAME : PBT (94V-0) ; IMPELLER : PBT(94V-0)
- OPERATING TEMP.: -10°C~70°C
- STORAGE TEMP.: -40°C~70°C
- WEIGHT : 200g
- Dual Ball Bearing
- Lead Length: 300mm +/- 10mm
- 2 Wire: Standard
- 3 Wire: Tach (FG) Optional
- 4 Wire: PWM Optional

Description	Size (mm)	Thickness (mm)	Rated Voltage (VDC)	Rated Current (A)	Rated Power (W)	Rated Speed (RPM)	Speed Code	Max Airflow (CFM)	Max Pressure (InAq)	Noise Level (dB/A)	Tach	PWM
DC0923805V2B	92	38	05	2.95	14.75	8000	V	166.40	1.91	72	3	B
DC0923805U2B	92	38	05	2.50	12.50	7000	U	145.60	1.46	67	3	B
DC0923805H2B	92	38	05	1.20	6.00	6000	H	123.40	1.12	64	3	B
DC0923805M2B	92	38	05	0.90	4.50	5000	M	109.20	0.86	58	3	B
DC0923805L2B	92	38	05	0.50	2.50	4300	L	97.10	0.70	52	3	B
DC0923812V2B	92	38	12	2.95	35.40	8000	V	166.40	1.91	72	3	B
DC0923812U2B	92	38	12	2.50	30.00	7000	U	145.60	1.46	67	3	B
DC0923812H2B	92	38	12	1.20	14.40	6000	H	123.40	1.12	64	3	B
DC0923812M2B	92	38	12	0.90	10.80	5000	M	109.20	0.86	58	3	B
DC0923812L2B	92	38	12	0.50	6.00	4300	L	97.10	0.70	52	3	B
DC0923824V2B	92	38	24	2.95	70.80	8000	V	166.40	1.91	72	3	B
DC0923824U2B	92	38	24	2.50	60.00	7000	U	145.60	1.46	67	3	B
DC0923824H2B	92	38	24	1.20	28.80	6000	H	123.40	1.12	64	3	B
DC0923824M2B	92	38	24	0.90	21.60	5000	M	109.20	0.86	58	3	B
DC0923824L2B	92	38	24	0.50	12.00	4300	L	97.10	0.70	52	3	B
DC0923848V2B	92	38	48	2.95	141.60	8000	V	166.40	1.91	72	3	B
DC0923848U2B	92	38	48	2.50	120.00	7000	U	145.60	1.46	67	3	B
DC0923848H2B	92	38	48	1.20	57.60	6000	H	123.40	1.12	64	3	B
DC0923848M2B	92	38	48	0.90	43.20	5000	M	109.20	0.86	58	3	B
DC0923848L2B	92	38	48	0.50	24.00	4300	L	97.10	0.70	52	3	B

See page 6 for termination configurations and typical ordering configurations



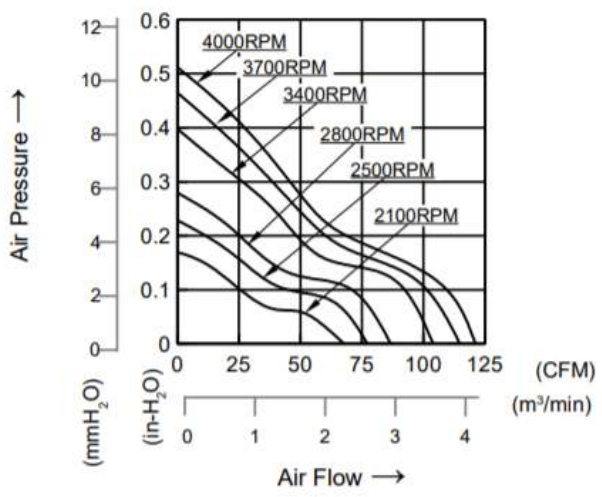
120x120x25mm

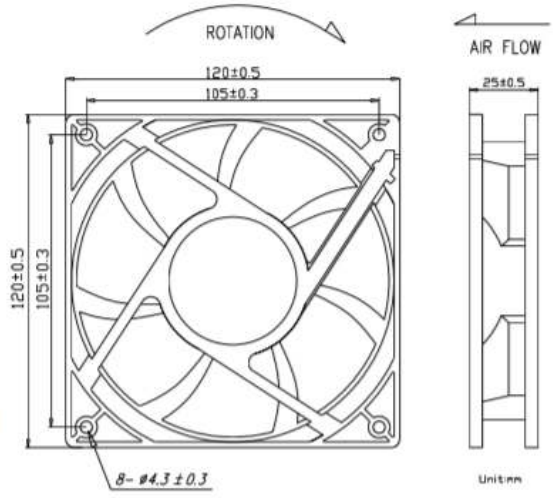


- MOTOR : DC single phase brushless motor
- FRAME : PBT (94V-0) ; IMPELLER : PBT(94V-0)
- OPERATING TEMP.: -10°C~70°C
- STORAGE TEMP.: -40°C~70°C
- WEIGHT : 230g
- Dual Ball Bearing
- Lead Length: 300mm +/- 10mm
- 2 Wire: Standard
- 3 Wire: Tach (FG) Optional
- 4 Wire: PWM Optional

Description	Size (mm)	Thickness (mm)	Rated Voltage (VDC)	Rated Current (A)	Rated Power (W)	Rated Speed (RPM)	Speed Code	Max Airflow (CFM)	Max Pressure (InAq)	Noise Level (dB/A)	Tach	PWM
DC1202505V2B	120	25	05	0.65	3.25	4000	V	121.10	0.51	52	3	B
DC1202505U2B	120	25	05	0.62	3.10	3700	U	114.80	0.46	50	3	B
DC1202505H2B	120	25	05	0.50	2.50	3400	H	103.90	0.40	47	3	B
DC1202505M2B	120	25	05	0.48	2.40	2800	M	86.70	0.28	42	3	B
DC1202505L2B	120	25	05	0.30	1.50	2500	L	77.20	0.23	39	3	B
DC1202505J2B	120	25	05	0.20	1.00	2100	J	67.70	0.17	35	3	B
DC1202512V2B	120	25	12	0.65	7.80	4000	V	121.10	0.51	52	3	B
DC1202512U2B	120	25	12	0.62	7.44	3700	U	114.80	0.46	50	3	B
DC1202512H2B	120	25	12	0.50	6.00	3400	H	103.90	0.40	47	3	B
DC1202512M2B	120	25	12	0.48	5.76	2800	M	86.70	0.28	42	3	B
DC1202512L2B	120	25	12	0.30	3.60	2500	L	77.20	0.23	39	3	B
DC1202512J2B	120	25	12	0.20	2.40	2100	J	67.70	0.17	35	3	B
DC1202524V2B	120	25	24	0.65	15.60	4000	V	121.10	0.51	52	3	B
DC1202524U2B	120	25	24	0.62	14.88	3700	U	114.80	0.46	50	3	B
DC1202524H2B	120	25	24	0.50	12.00	3400	H	103.90	0.40	47	3	B
DC1202524M2B	120	25	24	0.48	11.52	2800	M	86.70	0.28	42	3	B
DC1202524L2B	120	25	24	0.30	7.20	2500	L	77.20	0.23	39	3	B
DC1202524J2B	120	25	24	0.20	4.80	2100	J	67.70	0.17	35	3	B
DC1202548V2B	120	25	48	0.65	31.20	4000	V	121.10	0.51	52	3	B
DC1202548U2B	120	25	48	0.62	29.76	3700	U	114.80	0.46	50	3	B
DC1202548H2B	120	25	48	0.50	24.00	3400	H	103.90	0.40	47	3	B
DC1202548M2B	120	25	48	0.48	23.04	2800	M	86.70	0.28	42	3	B
DC1202548L2B	120	25	48	0.30	14.40	2500	L	77.20	0.23	39	3	B
DC1202548J2B	120	25	48	0.20	9.60	2100	J	67.70	0.17	35	3	B

See page 6 for termination configurations and typical ordering configurations





120x120x38mm



- MOTOR : DC single phase brushless motor
- FRAME : PBT (94V-0) ; IMPELLER : PBT(94V-0)
- OPERATING TEMP.: -10°C~70°C
- STORAGE TEMP.: -40°C~70°C
- WEIGHT : 280g
- Dual Ball Bearing
- Lead Length: 300mm +/- 10mm
- 2 Wire: Standard
- 3 Wire: Tach (FG) Optional
- 4 Wire: PWM Optional

Description	Size (mm)	Thickness (mm)	Rated Voltage (VDC)	Rated Current (A)	Rated Power (W)	Rated Speed (RPM)	Speed Code	Max Airflow (CFM)	Max Pressure (InAq)	Noise Level (dB/A)	Tach	PWM
DC1203805W2B	120	38	05	1.55	7.75	4200	W	178.40	0.94	54	3	B
DC1203805V2B	120	38	05	0.80	4.00	3200	V	135.90	0.54	48	3	B
DC1203805U2B	120	38	05	0.75	3.75	2900	U	123.20	0.45	44	3	B
DC1203805H2B	120	38	05	0.40	2.00	2600	H	114.70	0.41	41	3	B
DC1203805M2B	120	38	05	0.28	1.40	2300	M	101.40	0.30	38	3	B
DC1203805L2B	120	38	05	2.16	10.80	4600	L	212.60	0.84	59	3	B
DC1203805J2B	120	38	05	1.50	7.50	4100	J	190.50	0.69	56	3	B
DC1203812W2B	120	38	12	1.90	22.80	4600	W	212.60	0.84	59	3	B
DC1203812V2B	120	38	12	1.60	19.20	4100	V	190.50	0.69	56	3	B
DC1203812U2B	120	38	12	1.55	18.60	4200	U	178.40	0.94	54	3	B
DC1203812H2B	120	38	12	0.80	9.60	3200	H	135.90	0.54	48	3	B
DC1203812M2B	120	38	12	0.60	7.20	2900	M	123.20	0.45	44	3	B
DC1203812L2B	120	38	12	0.40	4.80	2600	L	114.70	0.41	41	3	B
DC1203812J2B	120	38	12	0.35	4.20	2300	J	101.40	0.30	38	3	B
DC1203824W2B	120	38	24	1.55	37.20	4200	W	178.40	0.94	54	3	B
DC1203824V2B	120	38	24	0.80	19.20	3200	V	135.90	0.54	48	3	B
DC1203824U2B	120	38	24	0.75	18.00	2900	U	123.20	0.45	44	3	B
DC1203824H2B	120	38	24	0.40	9.60	2600	H	114.70	0.41	41	3	B
DC1203824M2B	120	38	24	0.28	6.72	2300	M	101.40	0.30	38	3	B
DC1203824L2B	120	38	24	2.16	51.84	4600	L	212.60	0.84	59	3	B
DC1203824J2B	120	38	24	1.50	36.00	4100	J	190.50	0.69	56	3	B
DC1203848W2B	120	38	48	1.55	74.40	4200	W	178.40	0.94	54	3	B
DC1203848V2B	120	38	48	0.80	38.40	3200	V	135.90	0.54	48	3	B
DC1203848U2B	120	38	48	0.75	36.00	2900	U	123.20	0.45	44	3	B
DC1203848H2B	120	38	48	0.40	19.20	2600	H	114.70	0.41	41	3	B
DC1203848M2B	120	38	48	0.28	13.44	2300	M	101.40	0.30	38	3	B
DC1203848L2B	120	38	48	2.16	103.68	4600	L	212.60	0.84	59	3	B
DC1203848J2B	120	38	48	1.50	72.00	4100	J	190.50	0.69	56	3	B

See page 6 for termination configurations and typical ordering configurations

120x120x38mm

